

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

INDIANA, Northeast

(IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z014) MARSHALL

01/01/12 19:00 EST	0	Lake-Effect Snow
01/03/12 04:00 EST	0	

(IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z016) KOSCIUSKO

01/01/12 19:00 EST	0	Winter Weather
01/03/12 04:00 EST	0	

Moderate to heavy lake effect snow developed during the late afternoon and evening hours of January 1st and continued into January 2nd. Total snow accumulations generally ranged between 4 and 12 inches.

(IN-Z013) PULASKI, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z020) WHITE, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS

01/12/12 13:00 EST	0	Winter Weather
01/13/12 10:00 EST	0	

(IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z012) STARKE, (IN-Z014) MARSHALL

01/12/12 16:00 EST	0	Winter Storm
01/13/12 21:00 EST	0	

Snow and blowing snow impacted much of northern Indiana late January 12th into January 13th as a low pressure system deepened northward towards Lake Huron. System snow transitioned to heavy lake effect snow on January 13th with total snow accumulations generally ranging between 4 and 10 inches.

(IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z012) STARKE, (IN-Z013) PULASKI, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z020) WHITE, (IN-Z022) CASS, (IN-Z023) MIAMI, (IN-Z024) WABASH, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS, (IN-Z032) GRANT, (IN-Z033) BLACKFORD, (IN-Z034) JAY

01/19/12 05:00 EST	0	Winter Weather
01/19/12 17:00 EST	0	

An arctic cold front and associated upper level disturbance brought light to moderate snow to northern Indiana on January 19th. Snow accumulations across the region generally ranged between 1 and 4 inches.

(IN-Z003) LA PORTE, (IN-Z012) STARKE

01/20/12 12:00 EST	0	Winter Storm
01/20/12 22:00 EST	0	

(IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z013) PULASKI, (IN-Z014) MARSHALL, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z023) MIAMI, (IN-Z024) WABASH, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS

01/20/12 12:00 EST	0	Winter Weather
01/21/12 02:00 EST	0	

A moderate snowfall event impacted northern Indiana on January 20th as a quick moving upper level disturbance tracked through the region. Cold surface temperatures in the teens allowed the snow to accumulate on area roadways, with total snow accumulations ranging between 3 and 8 inches.

MICHIGAN, Extreme Southwest

(MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH

01/01/12 19:00 EST	0	Lake-Effect Snow
01/03/12 04:00 EST	0	

(MI-Z080) BRANCH

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/01/12 19:00 EST		0	Winter Weather
	01/02/12 20:00 EST		0	

Moderate to heavy lake effect snow developed during the late afternoon and evening hours of January 1st and continued into January 2nd. Total snow accumulations generally ranged between 4 and 12 inches.

(MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH, (MI-Z080) BRANCH, (MI-Z081) HILLSDALE

01/12/12 16:00 EST	0	Winter Storm
01/13/12 22:00 EST	0	

Snow and blowing snow impacted much of southern Michigan late January 12th into January 13th as a low pressure system deepened northward towards Lake Huron. System snow transitioned to heavy lake effect snow on January 13th with total snow accumulations generally ranging between 6 and 10 inches.

(MI-Z077) BERRIEN

01/20/12 13:00 EST	0	Winter Storm
01/20/12 22:00 EST	0	

A moderate snowfall event impacted southwest Lower Michigan on January 20th as a quick moving upper level disturbance tracked through the region. Cold surface temperatures in the teens allowed the snow to accumulate on area roadways, with total snow accumulations ranging between 3 and 7 inches.

OHIO, Northwest

(OH-Z001) WILLIAMS, (OH-Z002) FULTON, (OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN

01/20/12 15:00 EST	0	Winter Weather
01/21/12 03:00 EST	0	

A moderate snowfall event impacted northwest Ohio on January 20th as a quick moving upper level disturbance tracked through the region. Cold surface temperatures in the teens allowed the snow to accumulate on area roadways, with total snow accumulations ranging between 2 and 5 inches.

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

INDIANA, Northeast

(IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY

02/04/12 01:00 EST	0	Winter Weather
02/04/12 09:00 EST	0	

(IN-Z018) ALLEN

02/04/12 02:00 EST	0	Heavy Snow
02/04/12 09:00 EST	0	

A narrow band of heavy wet snow impacted portions of northern Indiana during the morning hours of February 4th as a deepening frontal boundary set up over the area. Snowfall amounts ranged between 2 and 7 inches.

(IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z012) STARKE, (IN-Z013) PULASKI

02/11/12 02:00 EST	0	Lake-Effect Snow
02/12/12 13:00 EST	0	

An intense lake effect snow band set up across northwest Indiana during the morning hours of February 11th, delivering snowfall rates in excess of 3 inches per hour with totals generally ranging between 5 and 15 inches.

(IN-Z004) ST. JOSEPH

02/29/12 15:30 EST	15K	Strong Wind (MAX 44 kt)
02/29/12 18:00 EST	0	

Deep low pressure over southern Minnesota allowed for strong winds to extend across much of the Great Lakes. Wind gusts were generally in the 40 to 50 mph range, with a few gusts as high as 55 mph. Sporadic tree and power line damage was reported, especially across the South Bend/Mishawaka area.

MICHIGAN, Extreme Southwest

(MI-Z077) BERRIEN

02/11/12 03:00 EST	0	Lake-Effect Snow
02/11/12 13:00 EST	0	

An intense lake effect snow band set up across western Berrien County during the morning hours of February 11th. Total snowfall amounts varied greater across the county, generally between 5 and 20 inches, with snowfall rates in excess of 4 inches per hour at times.

OHIO, Northwest

(OH-Z004) DEFIANCE, (OH-Z015) PAULDING

02/04/12 03:00 EST	0	Winter Weather
02/04/12 10:00 EST	0	

A narrow band of heavy wet snow impacted portions of northwest Ohio during the morning hours of February 4th as a deepening frontal boundary set up over the area. Snowfall amounts ranged between 2 and 5 inches.

Storm Data and Unusual Weather Phenomena - March 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
MIAMI COUNTY --- AMBOY [40.60, -85.93]				
	03/02/12 13:10 EST		0	Hail (0.88 in)
	03/02/12 13:11 EST		0	Source: Emergency Manager
HUNTINGTON COUNTY --- 0.7 N ANDREWS [40.86, -85.60]				
	03/02/12 13:33 EST		0	Hail (0.75 in)
	03/02/12 13:34 EST		0	Source: Fire Department/Rescue
Local fire officials reported dime size hail south of Andrews, covering the ground.				
WABASH COUNTY --- WABASH [40.80, -85.82]				
	03/02/12 13:45 EST		0	Hail (0.75 in)
	03/02/12 13:48 EST		0	Source: Public
The public reported hail from one half inch to the size of pennies for two to three minutes.				
ALLEN COUNTY --- 0.7 N FT WAYNE [41.08, -85.13]				
	03/02/12 14:05 EST		0	Hail (0.88 in)
	03/02/12 14:06 EST		0	Source: Trained Spotter
A trained spotter reported hail from pea to nickle size.				
ALLEN COUNTY --- 1.5 SSE BROOKSIDE ESTATES [41.13, -85.07]				
	03/02/12 14:06 EST		0	Hail (0.75 in)
	03/02/12 14:11 EST		0	Source: Trained Spotter
Dime size hail lasted about five minutes on the northeast side of Fort Wayne.				
Unseasonably strong low pressure moved across northern Indiana into southern Lower Michigan during the afternoon and evening hours. A warm front was located south of the area much of the day, with a strong southerly flow over the front, allowing for thunderstorm development. No severe thunderstorms occurred across the area with the best instability and shear further south across southern Indiana. However, isolated reports of penny to nickel size hail were received.				
(IN-Z018) ALLEN				
	03/02/12 18:04 EST		0	High Wind (MAX 51 kt)
	03/02/12 18:05 EST		0	
The same area of low pressure responsible for the isolated severe weather across portions of northern Indiana, moved northeast, allowing for very strong winds to overspread the region. While most gusts were in the 40 to 50 mph range, a few gusts approached 60 mph with one report of a large tree being uprooted in Fort Wayne.				
KOSCIUSKO COUNTY --- 1.5 SSE WINONA LAKE [41.20, -85.84]				
	03/15/12 04:05 EST		0	Hail (0.75 in)
	03/15/12 04:06 EST		0	Source: NWS Employee
KOSCIUSKO COUNTY --- 0.5 E WARSAW [41.23, -85.82]				
	03/15/12 04:08 EST		0	Hail (0.88 in)
	03/15/12 04:09 EST		0	Source: Trained Spotter
PULASKI COUNTY --- 0.9 NW FRANCESVILLE [40.99, -86.88]				
	03/15/12 15:22 CST		0	Hail (1.00 in)
	03/15/12 15:23 CST		0	Source: Fire Department/Rescue
PULASKI COUNTY --- 0.5 W STAR CITY [40.97, -86.56]				
	03/15/12 15:44 CST		0	Hail (1.00 in)
	03/15/12 15:45 CST		0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - March 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
STARKE COUNTY --- NORTH JUDSON [41.22, -86.78]				
	03/15/12 16:26 CST		0	Hail (1.75 in)
	03/15/12 16:27 CST		0	Source: Amateur Radio
MIAMI COUNTY --- 1.3 ENE DENVER [40.88, -86.06]				
	03/15/12 18:02 EST		0	Hail (0.75 in)
	03/15/12 18:03 EST		0	Source: CoCoRaHS
FULTON COUNTY --- 0.5 E FULTON [40.95, -86.26]				
	03/15/12 18:30 EST		0	Hail (1.00 in)
	03/15/12 18:31 EST		0	Source: Fire Department/Rescue

A warm front was located across portions of northern Indiana. Elevated instability and steep lapse rates allowed for the development of several thunderstorms. Several reports of penny to quarter size hail were received from a few of the stronger storms. One storm produced hail to the size of golf balls.

MICHIGAN, Extreme Southwest

CASS COUNTY --- EDWARDSBURG [41.80, -86.08]				
	03/15/12 03:22 EST		0	Hail (0.75 in)
	03/15/12 03:23 EST		0	Source: Trained Spotter
ST. JOSEPH COUNTY --- 0.7 N THREE RIVERS [41.94, -85.63]				
	03/15/12 04:36 EST		0	Hail (0.75 in)
	03/15/12 04:37 EST		0	Source: Trained Spotter
BRANCH COUNTY --- 3.4 ENE GIRARD [42.05, -84.94]				
	03/15/12 17:43 EST		0	Hail (0.88 in)
	03/15/12 17:44 EST		0	Source: Emergency Manager
BRANCH COUNTY --- 0.9 NE KINDERHOOK [41.81, -84.99]				
	03/15/12 18:47 EST		0	Hail (1.00 in)
	03/15/12 18:48 EST		0	Source: Trained Spotter
BRANCH COUNTY --- 0.5 W KINDERHOOK [41.80, -85.01]				
	03/15/12 18:49 EST		0	Hail (0.75 in)
	03/15/12 18:50 EST		0	Source: Trained Spotter

A warm front was located across portions of northern Indiana. Elevated instability and steep lapse rates allowed for the development of several thunderstorms. Several hail reports were received, mainly less than three quarters of an inch in diameter. One isolated report of one inch diameter hail was received with a stronger thunderstorm.

OHIO, Northwest

(OH-Z025) ALLEN				
	03/02/12 18:04 EST		0	High Wind (MAX 51 kt)
	03/02/12 18:05 EST		0	

The same area of low pressure responsible for the isolated severe weather across portions of the region, moved northeast, allowing for very strong winds to arrive in its wake. While most gusts were in the 40 to 50 mph range, one gust of 59 mph was noted in Lima, Ohio. No reports of damage were received.

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
HUNTINGTON COUNTY --- WARREN [40.68, -85.43]				
	04/30/12 16:39 EST		0	Thunderstorm Wind (EG 55 kt)
	04/30/12 16:40 EST		0	Source: Emergency Manager
Emergency management officials reported a tree down across the road at First and Nancy Streets. Local media reported other smaller tree limbs down in the area as well.				
WELLS COUNTY --- LIBERTY CENTER [40.70, -85.28]				
	04/30/12 16:53 EST		0	Hail (1.00 in)
	04/30/12 16:54 EST		0	Source: Fire Department/Rescue
WELLS COUNTY --- 0.7 N BLUFFTON [40.74, -85.17]				
	04/30/12 16:58 EST		0	Hail (0.88 in)
	04/30/12 16:59 EST		0	Source: Trained Spotter
WELLS COUNTY --- 0.7 N BLUFFTON [40.74, -85.17]				
	04/30/12 17:00 EST		0	Hail (1.00 in)
	04/30/12 17:01 EST		0	Source: Law Enforcement
Numerous low topped thunderstorms developed in a strongly sheared, but weakly unstable environment. One cluster of thunderstorms was able to congeal briefly into a bowing line segment, producing isolated wind damage and hail across Wells and Huntington counties.				
MICHIGAN, Extreme Southwest				
(MI-Z077) BERRIEN, (MI-Z078) CASS				
	04/12/12 03:00 EST		0	Frost/Freeze
	04/12/12 08:00 EST		12M	
Record setting temperatures occurred during a large portion of March, allowing for the growing season to start roughly four to six weeks ahead of schedule. Many orchards and other types of fruit farms observed extensive budding and flowering of the plants. Cooler weather settled in for the first part of April. Temperatures dropped into the middle to upper 20s during the early morning hours of April 12th, allowing for a damaging freeze to many local crops.				
OHIO, Northwest				
ALLEN COUNTY --- 3.1 W BLUFFTON [40.90, -83.94]				
	04/30/12 18:15 EST		0	Hail (0.75 in)
	04/30/12 18:16 EST		0	Source: Trained Spotter
Numerous low topped thunderstorms developed in a strongly sheared, but weakly unstable environment. One thunderstorm managed to produce penny size hail as it collapsed in Allen county.				

Storm Data and Unusual Weather Phenomena - May 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
FULTON COUNTY --- 1.3 ENE ROCHESTER ARPT [41.08, -86.16]				
	05/20/12 22:42 EST		0	Thunderstorm Wind (EG 50 kt)
	05/20/12 22:43 EST		0	Source: State Official
County dispatch reported a metal roof was blown off an outbuilding onto the top of a home near the intersection of County Road 450 East and Fort Wayne Street. The home also suffered some window damage.				
FULTON COUNTY --- 1.0 W ATHENS [41.05, -86.15]				
	05/20/12 22:45 EST		0	Thunderstorm Wind (EG 55 kt)
	05/20/12 22:46 EST		0	Source: Emergency Manager
Emergency management officials reported numerous trees down.				
A cold front moved through northern Indiana during the overnight hours of May 20th into the 21st. A broken line of showers and thunderstorms moved across the area along this front. However, the line was weakening as it encountered loss of heating and a decrease in instability. One thunderstorm was able to gain sufficient strength to produce isolated wind damage in portions of Fulton county.				
MICHIGAN, Extreme Southwest				
CASS COUNTY --- MARCELLUS [42.03, -85.82]				
	05/03/12 18:04 EST		0	Hail (0.75 in)
	05/03/12 18:05 EST		0	Source: Trained Spotter
ST. JOSEPH COUNTY --- 1.5 W THREE RIVERS ARPT [41.97, -85.63]				
	05/03/12 18:17 EST		0	Hail (1.00 in)
	05/03/12 18:18 EST		0	Source: Trained Spotter
ST. JOSEPH COUNTY --- 2.1 S FACTORYVILLE [42.02, -85.30]				
	05/03/12 18:54 EST		0	Hail (0.88 in)
	05/03/12 18:55 EST		0	Source: Amateur Radio
ST. JOSEPH COUNTY --- 1.2 SE LEONIDAS [42.01, -85.33]				
	05/03/12 18:57 EST		0	Hail (1.75 in)
	05/03/12 18:58 EST		0	Source: Amateur Radio
ST. JOSEPH COUNTY --- 0.7 N MENDON [42.01, -85.45]				
	05/03/12 19:10 EST		0	Hail (1.00 in)
	05/03/12 19:11 EST		0	Source: Public
ST. JOSEPH COUNTY --- 2.1 NW THREE RIVERS ARPT [41.99, -85.63]				
	05/03/12 19:11 EST		0	Hail (1.00 in)
	05/03/12 19:12 EST		0	Source: Trained Spotter
BERRIEN COUNTY --- 0.7 S STEVENSVILLE [42.01, -86.52]				
	05/03/12 19:55 EST		0	Hail (0.75 in)
	05/03/12 19:56 EST		0	Source: Public
BERRIEN COUNTY --- 1.5 NNW HOLLYWOOD [42.04, -86.46]				
	05/03/12 20:00 EST		0	Hail (1.00 in)
	05/03/12 20:01 EST		0	Source: Public
BRANCH COUNTY --- 2.5 NW HODUNK [42.04, -85.09]				

Storm Data and Unusual Weather Phenomena - May 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/03/12 20:00 EST		0	Hail (0.75 in)
	05/03/12 20:01 EST		0	Source: Trained Spotter

BRANCH COUNTY --- 3.1 WNW BUTLER [42.06, -84.93]

05/03/12 20:18 EST	0	Hail (0.88 in)
05/03/12 20:19 EST	0	Source: Emergency Manager

Emergency management officials reported hail ranging from dime to nickel size.

BERRIEN COUNTY --- 2.1 SW NAOMI [42.01, -86.30]

05/03/12 22:00 EST	0	Hail (0.88 in)
05/03/12 22:01 EST	0	Source: Public

CASS COUNTY --- 1.2 NW RED MILL [42.06, -86.14]

05/03/12 22:10 EST	0	Hail (0.75 in)
05/03/12 22:11 EST	0	Source: Trained Spotter

A frontal boundary was located across northern Lower Michigan during the afternoon and early evening hours. An area of strong convergence was noted well south of the front from central Illinois into the thumb of Lower Michigan. Upper level dynamics were generally weak, but plenty of surface based instability was in place with surface based CAPE values in the 1500 to 2000 J/kg range. This allowed for convection to develop and rapidly increase in intensity. Storms continued to regenerate with the strongest storm producing golf ball size hail.

OHIO, Northwest

HENRY COUNTY --- HAMLER [41.23, -84.03]

05/29/12 04:45 EST	0	Thunderstorm Wind (EG 50 kt)
05/29/12 04:46 EST	0	Source: County Official

County dispatch reported a few trees down in town of unknown size.

An outflow boundary worked across portions of northwestern Ohio during the overnight hours, sparking thunderstorm development. While the majority of the storms remained below severe levels, one storm produced isolated wind damage to trees in Henry county.

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
ST. JOSEPH COUNTY --- NORTH LIBERTY [41.53, -86.43]				
	06/16/12 15:15 EST		0	Thunderstorm Wind (EG 50 kt)
	06/16/12 15:16 EST		0	Source: Broadcast Media
Local media outlets reported scattered trees and tree limbs down across the city of North Liberty, including near the intersection of Wolf and State Route 23. Several tents at local festival were also picked up. No injuries were reported.				
FULTON COUNTY --- 0.5 E LEITERS FORD [41.12, -86.39]				
	06/16/12 15:43 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 15:44 EST		0	Source: Emergency Manager
Emergency management officials reported a tree and large branches were blown down.				
FULTON COUNTY --- 3.2 NNW ROCHESTER [41.11, -86.25]				
	06/16/12 15:45 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 15:46 EST		0	Source: Emergency Manager
Emergency management officials reported trees and tree limbs down, blocking local roadways.				
FULTON COUNTY --- 1.7 SW ROCHESTER [41.05, -86.24]				
	06/16/12 15:46 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 15:47 EST		0	Source: Emergency Manager
Emergency management officials reported trees and large limbs down onto a home.				
FULTON COUNTY --- 3.0 WSW ROCHESTER [41.05, -86.27]				
	06/16/12 15:46 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 15:47 EST		0	Source: Emergency Manager
Emergency management officials reported trees down, blocking the roadway.				
FULTON COUNTY --- 0.9 SE ROCHESTER [41.06, -86.21]				
	06/16/12 15:47 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 15:48 EST		0	Source: Emergency Manager
Emergency management officials reported a tree, as well as tree limbs down.				
FULTON COUNTY --- 0.7 N LAKE MANITOU [41.06, -86.20]				
	06/16/12 15:48 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 15:49 EST		0	Source: Emergency Manager
Emergency management officials reported a tree down, as well as several branches. One street was blocked from the debris.				
DE KALB COUNTY --- SPENCERVILLE [41.28, -84.92]				
	06/16/12 18:00 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 18:01 EST		0	Source: Broadcast Media
Local media reported a large tree was blown down across County Road 68, blocking traffic.				
JAY COUNTY --- REDKEY [40.35, -85.15]				
	06/16/12 18:32 EST		0	Thunderstorm Wind (EG 55 kt)
	06/16/12 18:33 EST		0	Source: Law Enforcement
Local police officials reported a few trees blown down in Redkey.				
A moderately unstable, but weak sheared environment was in place to allow for scattered thunderstorm development. Precipitation loading occurred in a few of the stronger thunderstorms, producing sporadic tree and tree limb damage, mainly in the Rochester area.				
LA PORTE COUNTY --- 0.5 E LA CROSSE [41.32, -86.89]				

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/28/12 19:10 CST		0	Thunderstorm Wind (EG 60 kt)
	06/28/12 19:11 CST		0	Source: Law Enforcement
Law enforcement officials reported three telephone poles blown down by strong winds on US 421, just north of State Route 8.				
STARKE COUNTY --- NORTH JUDSON [41.22, -86.78]				
	06/28/12 19:25 CST		0	Thunderstorm Wind (EG 60 kt)
	06/28/12 19:26 CST		0	Source: Law Enforcement
Law enforcement officials reported at least 15 trees blown down in and south of North Judson.				
PULASKI COUNTY --- 0.5 E DENHAM [41.15, -86.71]				
	06/28/12 19:32 CST		0	Thunderstorm Wind (EG 60 kt)
	06/28/12 19:33 CST		0	Source: Law Enforcement
Law enforcement officials reported trees and power lines down around Denham.				
PULASKI COUNTY --- 0.5 E RIPLEY [41.10, -86.66]				
	06/28/12 19:40 CST		0	Thunderstorm Wind (EG 60 kt)
	06/28/12 19:41 CST		0	Source: Law Enforcement
Law enforcement officials reported numerous trees and power lines down across the northern parts of the county.				
FULTON COUNTY --- 0.5 W KEWANNA [41.02, -86.41]				
	06/28/12 21:00 EST		0	Hail (1.00 in)
	06/28/12 21:01 EST		0	Source: Fire Department/Rescue
FULTON COUNTY --- 0.5 W KEWANNA [41.02, -86.41]				
	06/28/12 21:00 EST		0	Thunderstorm Wind (EG 55 kt)
	06/28/12 21:01 EST		0	Source: Law Enforcement
Law enforcement officials reported a tree down on Park Street.				
FULTON COUNTY --- 2.6 E PERSHING [41.10, -86.27]				
	06/28/12 21:05 EST		0	Thunderstorm Wind (EG 55 kt)
	06/28/12 21:06 EST		0	Source: Law Enforcement
Law enforcement officials reported a power line down onto a tree, causing sparking, on County Road 300 North, near Rochester.				
FULTON COUNTY --- 1.0 E GRASS CREEK [40.95, -86.38]				
	06/28/12 21:10 EST		0	Thunderstorm Wind (EG 55 kt)
	06/28/12 21:11 EST		0	Source: Law Enforcement
Law enforcement officials reported a tree down near the intersection of State Route 17 and 114.				
FULTON COUNTY --- 0.5 E FULTON [40.95, -86.26]				
	06/28/12 21:14 EST		0	Hail (0.75 in)
	06/28/12 21:15 EST		0	Source: Emergency Manager
CASS COUNTY --- 0.5 W TWELVE MILE [40.87, -86.23], 0.7 SSE TWELVE MILE [40.86, -86.22]				
	06/28/12 21:20 EST		0	Thunderstorm Wind (EG 65 kt)
	06/28/12 21:21 EST		0	Source: Law Enforcement
Law enforcement officials reported multiple trees and power lines down in and around Twelve Mile.				
CASS COUNTY --- 0.9 NW TWELVE MILE [40.88, -86.23]				
	06/28/12 21:20 EST		0	Thunderstorm Wind (EG 60 kt)
	06/28/12 21:21 EST		0	Source: Emergency Manager
Emergency management officials reported a barn was blown off its foundation and destroyed in the 7000 block of East County Road 800 North.				

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MIAMI COUNTY --- MEXICO [40.82, -86.12]	06/28/12 21:29 EST		0	Hail (0.75 in)
	06/28/12 21:30 EST		0	Source: Law Enforcement
MIAMI COUNTY --- MEXICO [40.82, -86.12]	06/28/12 21:29 EST		0	Thunderstorm Wind (EG 55 kt)
	06/28/12 21:30 EST		0	Source: Law Enforcement
Law enforcement officials reported three to five inch diameter tree limbs down.				
MIAMI COUNTY --- PERU [40.75, -86.07]	06/28/12 21:39 EST		0	Hail (0.75 in)
	06/28/12 21:40 EST		0	Source: Emergency Manager
A surface trough was located from northeastern Illinois into far northern Indiana. Surface dew points in the upper 60s to lower 70s pooled along the feature. A lake breeze and weak upper level disturbance all combined to spark isolated thunderstorms in northeastern Illinois. These storms moved southeast interacting with high CAPE values and limited capping to allow for the cells to become severe and produce wind damage and isolated reports of hail.				
LA PORTE COUNTY --- 0.7 S MICHIGAN CITY [41.71, -86.90]	06/29/12 11:20 CST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 11:21 CST		0	Source: Newspaper
Local media reported numerous trees down throughout Michigan City.				
STARKE COUNTY --- 1.3 WNW TOTO [41.26, -86.72]	06/29/12 11:43 CST		0	Hail (0.88 in)
	06/29/12 11:44 CST		0	Source: Trained Spotter
ST. JOSEPH COUNTY --- 0.5 E (SBN)MICHIANA ARPT S [41.70, -86.31]	06/29/12 12:42 EST		0	Thunderstorm Wind (MG 54 kt)
	06/29/12 12:43 EST		0	Source: ASOS
An automated weather sensor at the South Bend Regional Airport recorded a 62 mph wind gust.				
MARSHALL COUNTY --- 0.5 E CULVER [41.22, -86.42]	06/29/12 12:57 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 12:58 EST		0	Source: Trained Spotter
A trained spotter reported small to medium size branches blown down. In addition, a wooden sign at a local golf course was blown down.				
ST. JOSEPH COUNTY --- 0.9 SE MISHAWAKA [41.66, -86.16]	06/29/12 13:01 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:02 EST		0	Source: Trained Spotter
A trained spotter reported a large tree was blown over onto the top of a car, blocking the street. No reports of injuries were noted.				
MARSHALL COUNTY --- 2.1 N BURR OAK [41.28, -86.42]	06/29/12 13:02 EST		0	Hail (0.75 in)
	06/29/12 13:03 EST		0	Source: Trained Spotter
ELKHART COUNTY --- 0.5 W ELKHART [41.68, -85.98]	06/29/12 13:04 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:05 EST		0	Source: Trained Spotter
A trained spotter reported numerous four inch diameter tree limbs down in the area of State Route 15 and U.S. 20.				
ELKHART COUNTY --- 0.7 S NAPPANEE [41.44, -86.00]	06/29/12 13:05 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:06 EST		0	Source: Storm Chaser

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter reported a large tree down across the road, with power lines down in the area.				
FULTON COUNTY --- 0.7 S ROCHESTER [41.06, -86.22]				
	06/29/12 13:06 EST		0	Thunderstorm Wind (EG 56 kt)
	06/29/12 13:07 EST		0	Source: Trained Spotter
A trained spotter estimated wind gusts to 65 mph. Numerous trees and tree limbs were observed down across the county.				
FULTON COUNTY --- 0.7 S ROCHESTER [41.06, -86.22]				
	06/29/12 13:08 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:09 EST		0	Source: Law Enforcement
State police officials reported numerous trees down with widespread power outages in the Rochester area.				
MARSHALL COUNTY --- BREMEN [41.45, -86.15]				
	06/29/12 13:12 EST		0	Hail (1.00 in)
	06/29/12 13:13 EST		0	Source: Storm Chaser
ELKHART COUNTY --- 0.5 E (GSH)GOSHEN ARPT [41.53, -85.79]				
	06/29/12 13:16 EST		0	Thunderstorm Wind (MG 53 kt)
	06/29/12 13:17 EST		0	Source: ASOS
The automated weather sensor at the Goshen Airport recorded a 61 mph wind gust.				
KOSCIUSKO COUNTY --- 0.5 E WARSAW [41.23, -85.82]				
	06/29/12 13:19 EST		0	Thunderstorm Wind (EG 61 kt)
	06/29/12 13:20 EST		0	Source: Trained Spotter
A trained spotter reported multiple trees and power lines down in the Warsaw area. Estimated wind gusts of 65 to 70 mph occurred for approximately 7 minutes.				
KOSCIUSKO COUNTY --- 1.3 ENE WARSAW ARPT [41.29, -85.83]				
	06/29/12 13:20 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 13:21 EST		0	Source: NWS Employee
An off duty NWS employee reported two large healthy trees were blown down.				
KOSCIUSKO COUNTY --- 1.3 ESE SYRACUSE [41.41, -85.73]				
	06/29/12 13:20 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 13:21 EST		0	Source: Trained Spotter
A trained spotter reported a two foot diameter oak tree down onto a house on North Ogden Point Road.				
KOSCIUSKO COUNTY --- 1.6 N OSWEGO [41.34, -85.78]				
	06/29/12 13:20 EST		0	Hail (0.75 in)
	06/29/12 13:23 EST		0	Source: NWS Employee
MARSHALL COUNTY --- 0.9 NE TIPPECANOE [41.21, -86.11]				
	06/29/12 13:20 EST		0	Thunderstorm Wind (EG 52 kt)
	06/29/12 13:21 EST		0	Source: Trained Spotter
A trained spotter observed multiple small tree limbs down with estimated wind gusts to 60 mph.				
WHITLEY COUNTY --- 2.7 WSW COLUMBIA CITY [41.16, -85.53]				
	06/29/12 13:21 EST		0	Thunderstorm Wind (EG 65 kt)
	06/29/12 13:22 EST		0	Source: Amateur Radio
Amateur radio operators reported the top 40 feet of a 100 foot radio tower was blown down. In addition, the top two sections of a 160 foot tower were blown down.				
MIAMI COUNTY --- 2.2 WSW PEORIA [40.71, -86.01]				

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/12 13:30 EST		0	Thunderstorm Wind (EG 52 kt)
	06/29/12 13:31 EST		0	Source: Trained Spotter

A trained spotter estimated wind gusts to 60 mph.

MIAMI COUNTY --- DENVER [40.87, -86.08]				
	06/29/12 13:32 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:33 EST		0	Source: Trained Spotter

A trained spotter reported a partially cracked tree was blown over onto a residence at County Road 935 North and Warsaw Trail North.

WHITLEY COUNTY --- 0.9 SW COLUMBIA CITY [41.16, -85.49]				
	06/29/12 13:34 EST		0	Thunderstorm Wind (EG 65 kt)
	06/29/12 13:35 EST		0	Source: State Official

County dispatch reported multiple trees down throughout the county. Power lines were also reported down, with at least two house fires being caused by the downed lines.

WHITLEY COUNTY --- 1.5 SSE WASHINGTON CENTER [41.03, -85.51]				
	06/29/12 13:36 EST		0	Thunderstorm Wind (EG 70 kt)
	06/29/12 13:37 EST		0	Source: Emergency Manager

Emergency management officials reported a roof was blown off a local fire station, as well as a radio tower being blown down.

ALLEN COUNTY --- 1.6 E BROOKSIDE ESTATES [41.15, -85.05]				
	06/29/12 13:38 EST		0	Thunderstorm Wind (MG 56 kt)
	06/29/12 13:39 EST		0	Source: Mesonet

A 64 mph wind gust was recorded by a local mesonet site.

MIAMI COUNTY --- 1.7 WNW BUNKER HILL [40.68, -86.13]				
	06/29/12 13:40 EST		0	Thunderstorm Wind (EG 61 kt)
	06/29/12 13:41 EST		0	Source: Trained Spotter

A trained spotter estimated wind gusts to 70 mph near the Grissom Air Reserve base. Shingles were observed blown off a roof in the local area.

WABASH COUNTY --- 1.7 NE WABASH [40.82, -85.80]				
	06/29/12 13:40 EST		0	Thunderstorm Wind (MG 52 kt)
	06/29/12 13:41 EST		0	Source: Mesonet

A 60 mph wind gust was recorded by a mesonet site at the Wabash county central dispatch.

WHITLEY COUNTY --- 0.5 W COLLINS [41.20, -85.39]				
	06/29/12 13:40 EST		0	Thunderstorm Wind (EG 70 kt)
	06/29/12 13:41 EST		0	Source: NWS Employee

An off duty NWS employee reported multiple trees down along Indiana 205 in Whitley county. Healthy trees up to five feet in diameter were snapped at the base in Collins.

KOSCIUSKO COUNTY --- 0.7 WNW MENTONE [41.17, -86.04]				
	06/29/12 13:41 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 13:42 EST		0	Source: Trained Spotter

A trained spotter reported several large branches down and one tree down near Mentone on State Route 19.

HUNTINGTON COUNTY --- 1.7 SW ANDREWS [40.83, -85.62]				
	06/29/12 13:42 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 13:43 EST		0	Source: Emergency Manager

Emergency management officials reported a tree down on Division Road, as well as County Road 300 West near County Road 1100 North.

WHITLEY COUNTY --- 0.9 SW COLUMBIA CITY [41.16, -85.49]				
--	--	--	--	--

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/12 13:43 EST		0	Thunderstorm Wind (MG 56 kt)
	06/29/12 13:44 EST		0	Source: Trained Spotter
A trained spotter reported a 64 mph wind gust with a large tree found uprooted in the area.				
<hr/>				
MIAMI COUNTY --- AMBOY [40.60, -85.93]				
	06/29/12 13:45 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:46 EST		0	Source: Public
The public reported tree branches down, blocking secondary roads in Amboy.				
<hr/>				
ALLEN COUNTY --- 0.9 SW WAYNE DALE [41.01, -85.19]				
	06/29/12 13:50 EST		0	Thunderstorm Wind (EG 75 kt)
	06/29/12 13:51 EST		0	Source: Trained Spotter
A trained spotter reported 30 trees were blown down in a local part, with several close to two feet in diameter. Three of the trees were reported to have fallen on vehicles.				
<hr/>				
DE KALB COUNTY --- 2.7 WNW SUMMIT [41.53, -85.07]				
	06/29/12 13:50 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 13:51 EST		0	Source: Trained Spotter
A trained spotter reported trees uprooted and limbs down in the town of Ashley.				
<hr/>				
NOBLE COUNTY --- 0.7 N LAOTTO [41.29, -85.20]				
	06/29/12 13:50 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:51 EST		0	Source: Amateur Radio
A large tree was reported down across Indiana 205, forcing its closure.				
<hr/>				
ALLEN COUNTY --- 0.5 W (FWA)BAER FLD FT WAY [40.98, -85.19]				
	06/29/12 13:54 EST		0	Thunderstorm Wind (MG 79 kt)
	06/29/12 13:55 EST		0	Source: ASOS
An automated weather sensor at the Fort Wayne International Airport recorded a 91 mph wind gust.				
<hr/>				
WELLS COUNTY --- LIBERTY CENTER [40.70, -85.28]				
	06/29/12 13:58 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 13:59 EST		0	Source: Trained Spotter
A trained spotter reported trees and power lines down.				
<hr/>				
ALLEN COUNTY --- 1.5 SSE BROOKSIDE ESTATES [41.13, -85.07]				
	06/29/12 14:00 EST		0	Thunderstorm Wind (MG 76 kt)
	06/29/12 14:01 EST		0	Source: Trained Spotter
A trained spotter recorded a 87 mph wind gusts. Large oak trees limbs were blown down, with siding blown off local residences.				
<hr/>				
ALLEN COUNTY --- FT WAYNE [41.07, -85.13]				
	06/29/12 14:00 EST		1M	Thunderstorm Wind (EG 75 kt)
	06/29/12 14:01 EST		0	Source: Newspaper
Widespread tree, power line and pole damage occurred across the city of Fort Wayne and locations to the southeast towards the Indiana/Ohio state line. Emergency management officials report around 500 trees down around town. Local officials reported damage easily exceeding two million dollars. Damage estimates to actual property and infrastructure likely at least one million dollars.				
<hr/>				
GRANT COUNTY --- 0.9 SW SHADY HILLS [40.56, -85.68]				
	06/29/12 14:00 EST		0	Thunderstorm Wind (MG 56 kt)
	06/29/12 14:01 EST		0	Source: Trained Spotter
A trained spotter recorded a 64 mph wind gust at the intersection of State Route 18 and County Road 325 West. A flag pole was also reported blown down in Marion.				

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALLEN COUNTY --- 0.7 S HURSH [41.24, -84.97]				
	06/29/12 14:02 EST		0	Thunderstorm Wind (EG 70 kt)
	06/29/12 14:03 EST		0	Source: Trained Spotter
A trained spotter reported trees down.				
ADAMS COUNTY --- DECATUR [40.83, -84.93]				
	06/29/12 14:05 EST		0	Thunderstorm Wind (EG 75 kt)
	06/29/12 14:06 EST		0	Source: Emergency Manager
Emergency management officials reported massive damage throughout the northern part of the county with intermittent damage across the remainder of the county. In Decatur, roofs were blown off, trucks blown over and several small fires reported, likely from downed power lines.				
ALLEN COUNTY --- 0.7 S MEADOWBROOK [41.06, -85.03]				
	06/29/12 14:05 EST		0	Thunderstorm Wind (MG 63 kt)
	06/29/12 14:06 EST		0	Source: Mesonet
A mesonet site recorded a 72 mph wind gust.				
ALLEN COUNTY --- 1.0 E CONCORDIA GARDENS [41.12, -85.08]				
	06/29/12 14:05 EST		0	Thunderstorm Wind (EG 70 kt)
	06/29/12 14:06 EST		0	Source: Amateur Radio
Amateur radio operators reported eight to ten inch diameter tree limbs down. In addition, 30 feet of a wooden fence was blown down and a eight foot by 12 foot shed overturned.				
GRANT COUNTY --- 0.9 NE GAS CITY [40.49, -85.61]				
	06/29/12 14:07 EST		0	Thunderstorm Wind (MG 50 kt)
	06/29/12 14:08 EST		0	Source: Mesonet
A mesonet site recorded a 58 mph wind gust.				
ALLEN COUNTY --- MONROEVILLE [40.97, -84.87]				
	06/29/12 14:08 EST		0	Thunderstorm Wind (EG 70 kt)
	06/29/12 14:09 EST		0	Source: Trained Spotter
A trained spotter reported widespread tree damage in Monroeville.				
BLACKFORD COUNTY --- HARTFORD CITY [40.45, -85.37]				
	06/29/12 14:08 EST		0	Thunderstorm Wind (EG 65 kt)
	06/29/12 14:09 EST		0	Source: Emergency Manager
Emergency management officials reported three to five foot trees blown down across the county. Windows were blown in at several residences across the county as well as roof damage to barns. Siding was ripped off several buildings and welcome signs in town were blown over.				
WELLS COUNTY --- 1.7 ESE BLUFFTON [40.72, -85.14]				
	06/29/12 14:08 EST		0	Thunderstorm Wind (MG 50 kt)
	06/29/12 14:09 EST		0	Source: Trained Spotter
A trained spotter estimated wind gusts to 58 mph with trees observed blown down in the area.				
ALLEN COUNTY --- 3.0 N WOODBURN [41.16, -84.84]				
	06/29/12 14:10 EST		0	Thunderstorm Wind (EG 65 kt)
	06/29/12 14:11 EST		0	Source: NWS Employee
An NWS employee reported numerous trees and tree limbs broken at a residence on the 23000 block of Kammeyer Road. One tree fell onto the porch of the residence, destroying the porch. Siding damage was also observed.				
ADAMS COUNTY --- 1.3 ENE SAGE ARPT [40.83, -84.90]				
	06/29/12 14:15 EST		0	Thunderstorm Wind (MG 56 kt)
	06/29/12 14:16 EST		0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A mesonet site recorded a 64 mph wind gust.				
DE KALB COUNTY --- 0.9 NE AUBURN DEKALB CO ARP [41.31, -85.06]				
	06/29/12 14:15 EST		0	Thunderstorm Wind (MG 55 kt)
	06/29/12 14:16 EST		0	Source: AWOS
An automated weather sensor at the Auburn Airport recorded a 63 mph wind gust.				
ADAMS COUNTY --- 0.5 E PLEASANT MILLS [40.78, -84.84]				
	06/29/12 14:17 EST		0	Hail (1.00 in)
	06/29/12 14:18 EST		0	Source: Amateur Radio
ADAMS COUNTY --- 0.5 E PLEASANT MILLS [40.78, -84.84]				
	06/29/12 14:24 EST		0	Hail (1.00 in)
	06/29/12 14:25 EST		0	Source: Amateur Radio
NOBLE COUNTY --- 0.7 N LAOTTO [41.29, -85.20]				
	06/29/12 14:31 EST		0	Thunderstorm Wind (EG 55 kt)
	06/29/12 14:32 EST		0	Source: Amateur Radio
Amateur radio operators reported a large tree down across Indiana 205, forcing its temporary closure.				
ALLEN COUNTY --- 1.7 WNW THURMAN [41.13, -85.03]				
	06/29/12 16:16 EST		0	Thunderstorm Wind (EG 52 kt)
	06/29/12 16:17 EST		0	Source: Trained Spotter
A trained spotter estimated wind gusts to 60 mph.				
A shallow quasi-stationary frontal boundary was located from Iowa and Nebraska into portions of northern Indiana. Steep mid-level lapse rates, extreme instability (CAPES in excess of 8000 j/kg per Lincoln, IL sounding and strong mid-level flow allowed for a favorable environment for a cluster of storms over northeastern Illinois to rapidly intensify as they moved into northern Indiana. As the line organized and cold pool became established, a upswing in wind speed was noted from Whitley county south and east through Allen county and into northwestern Ohio. Eighty to nearly 100 mph winds caused widespread damage.				
LAKE MICHIGAN				
MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 1.0 NNW MICHIGAN CITY [41.73, -86.91]				
	06/29/12 12:15 EST		0	Marine Thunderstorm Wind (MG 66 kt)
	06/29/12 12:16 EST		0	Source: C-MAN Station
A 66 knot (76 mph) gust was recorded at Michigan City GLERL site.				
NEW BUFFALO TO ST JOSEPH MI COUNTY --- 3.0 NW WARREN DUNES ST PRK [41.98, -86.62]				
	06/29/12 12:20 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/29/12 12:21 EST		0	Source: Buoy
A 36 knot (41 mph) gust was recorded at Buoy 45026, located near the Cook Nuclear Plant in Bridgman.				
NEW BUFFALO TO ST JOSEPH MI COUNTY --- 0.7 W ST. JOSEPH HARBOR [42.10, -86.49]				
	06/29/12 12:30 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/29/12 12:31 EST		0	Source: Official NWS Observations
A NWS marine sensor, located near St. Joseph, recorded a 36 knot (41 mph) wind gust.				
An area of thunderstorms moved out of northern Illinois, skirting southern Lake Michigan with strong winds.				
MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 1.0 NNW MICHIGAN CITY [41.73, -86.91]				
	06/30/12 00:30 EST		0	Marine Thunderstorm Wind (EG 38 kt)
	06/30/12 00:31 EST		0	Source: C-MAN Station

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A 38 knot (44 mph) gust was recorded at Michigan City GLERL site.

An area of elevated thunderstorms developed during the late evening hours of June 29th into the early morning hours of June 30th. Gusty winds occurred along the lake shore of southeastern Lake Michigan as the storms came onshore.

MICHIGAN, Extreme Southwest

(MI-Z077) BERRIEN

06/19/12 10:55 EST	1	0	Rip Current
06/19/12 10:56 EST		0	

Direct Fatalities: M26IW

Southerly winds created two to four foot waves along the lake-shore areas of St. Joseph and Benton Harbor. A 26 year old male jumped off the south pier at Silver Beach into Lake Michigan. Eyewitnesses reported the man belly-flopped into the water, yelled for help and went underwater. His body was recovered about 90 minutes later roughly 7 feet deep and near the pier.

BRANCH COUNTY --- 2.8 S BRONSON ARPT [41.84, -85.19]

06/21/12 14:08 EST		0	Hail (1.00 in)
06/21/12 14:09 EST		0	Source: Public

BRANCH COUNTY --- 2.8 S BRONSON ARPT [41.84, -85.19]

06/21/12 14:08 EST		0	Thunderstorm Wind (EG 55 kt)
06/21/12 14:09 EST		0	Source: Public

The public reported a tree was blown down onto a vehicle.

BRANCH COUNTY --- 1.0 E BATAVIA [41.92, -85.08]

06/21/12 14:10 EST		0	Thunderstorm Wind (EG 55 kt)
06/21/12 14:11 EST		0	Source: Emergency Manager

Emergency management officials reported trees and power lines down on Wheeler Road.

BRANCH COUNTY --- 0.9 SE LACKWOOD [41.87, -85.04]

06/21/12 14:19 EST		0	Thunderstorm Wind (EG 50 kt)
06/21/12 14:20 EST		0	Source: County Official

County dispatch officials reported power lines down on East Central Road.

BRANCH COUNTY --- 0.7 N QUINCY [41.94, -84.88]

06/21/12 14:29 EST		0	Thunderstorm Wind (EG 55 kt)
06/21/12 14:30 EST		0	Source: Public

The public reported trees down in the Quincy area, mainly along Wildwood Road.

HILLSDALE COUNTY --- 0.7 N ALLEN [41.96, -84.77]

06/21/12 14:38 EST		0	Thunderstorm Wind (EG 55 kt)
06/21/12 14:39 EST		0	Source: Emergency Manager

Emergency management officials reported trees and power lines down in the town of Allen along US 12.

HILLSDALE COUNTY --- 1.7 SE ALLEN [41.93, -84.75]

06/21/12 14:40 EST		0	Thunderstorm Wind (EG 55 kt)
06/21/12 14:41 EST		0	Source: Emergency Manager

Emergency management officials reported a tree fell onto a car near State Route 49 and West Bacon Road. No injuries were reported.

A cold front moved through southern lower Michigan during the afternoon hours. Surface temperatures in the upper 80s to around 90 and dewpoints in the 60s allowed for most unstable CAPE values approaching 1000 j/kg. Shear was less than 30 knots, limiting overall

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

growth potential of the storms, but still allowing for isolated storms to produce damaging winds and large hail in a few locations.

OHIO, Northwest

DEFIANCE COUNTY --- 2.9 WNW JEWELL [41.34, -84.33]

06/21/12 17:24 EST	0	Thunderstorm Wind (EG 55 kt)
06/21/12 17:25 EST	0	Source: Emergency Manager

Emergency management officials reported three trees and a power pole down in the 6600 block of Domersville Road. A large, but rotten, tree limb broke off a tree at a residence southeast of this location. In addition, Poplar Ridge Church of the Brethren suffered some minor fascia damage.

A cold front moved through northwestern Ohio during the afternoon hours. Surface temperatures in the upper 80s to around 90 and dewpoints in the 60s allowed for most unstable CAPE values approaching 1000 j/kg. Shear was less than 30 knots, limiting overall growth potential of the storms, but still allowing for isolated storms to produce damaging winds across portions of Defiance county.

PAULDING COUNTY --- 0.5 W ANTWERP [41.18, -84.74]

06/29/12 14:17 EST	0	Thunderstorm Wind (EG 75 kt)
06/29/12 14:18 EST	0	Source: Trained Spotter

A trained spotter reported widespread large trees down.

VAN WERT COUNTY --- 2.2 WNW CONVOY [40.93, -84.74]

06/29/12 14:20 EST	0	Thunderstorm Wind (MG 51 kt)
06/29/12 14:21 EST	0	Source: Mesonet

A mesonet site recorded a 59 mph wind gust.

PAULDING COUNTY --- 0.9 NW PAULDING [41.14, -84.58]

06/29/12 14:22 EST	0	Thunderstorm Wind (MG 73 kt)
06/29/12 14:23 EST	0	Source: Emergency Manager

Emergency management officials recorded a 84 mph wind gust in Paulding.

PAULDING COUNTY --- 2.2 WSW ANTWERP [41.17, -84.77]

06/29/12 14:25 EST	0	Thunderstorm Wind (MG 66 kt)
06/29/12 14:26 EST	0	Source: Mesonet

A mesonet site recorded a 76 mph wind gust.

VAN WERT COUNTY --- 2.6 NW CONVOY [40.95, -84.73]

06/29/12 14:35 EST	0	Thunderstorm Wind (MG 56 kt)
06/29/12 14:36 EST	0	Source: Mesonet

A mesonet site recorded a 64 mph wind gust.

ALLEN COUNTY --- 0.7 SSW LIMA [40.74, -84.10]

06/29/12 14:36 EST	0	Thunderstorm Wind (EG 70 kt)
06/29/12 14:37 EST	0	Source: Trained Spotter

A trained spotter reported a 80 foot pine tree snapped roughly 20 feet from the ground at the corner of 7th and Main Streets.

VAN WERT COUNTY --- 0.5 W VAN WERT [40.87, -84.58]

06/29/12 14:37 EST	0	Thunderstorm Wind (EG 80 kt)
06/29/12 14:38 EST	0	Source: Emergency Manager

Emergency management officials reported hundreds of trees down across the county. Widespread power outages as a result of major transmission poles, numbering at least 443, between Van Wert and Ottawa being blown down or snapped. Roofs were reported damaged on many homes, with cars and trucks flipped in portions of the county.

PAULDING COUNTY --- 2.2 WSW ANTWERP [41.17, -84.77]

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/12 14:44 EST		0	Thunderstorm Wind (MG 66 kt)
	06/29/12 14:45 EST		0	Source: Mesonet
A mesonet site on U.S. 24, near the Indiana/Ohio state line measured a 76 mph wind gust.				
<hr/>				
ALLEN COUNTY --- 1.1 W LIMA [40.75, -84.12]				
	06/29/12 14:45 EST		0	Thunderstorm Wind (EG 75 kt)
	06/29/12 14:46 EST		0	Source: Trained Spotter
A trained spotter reported multiple trees down along Kemp Road. Shingles were blown off many roofs in the area.				
<hr/>				
VAN WERT COUNTY --- 2.6 NW CONVOY [40.95, -84.73]				
	06/29/12 14:45 EST		0	Thunderstorm Wind (MG 56 kt)
	06/29/12 14:46 EST		0	Source: Mesonet
A mesonet site recorded a 64 mph wind gust.				
<hr/>				
ALLEN COUNTY --- 0.7 S ALLENTOWN [40.74, -84.18]				
	06/29/12 14:49 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 14:50 EST		0	Source: Trained Spotter
A trained spotter reported a boat was driven into the rocks, on Bresler Lake, causing it to take on water. The driver of the boat had to be rescued by the local fire department.				
<hr/>				
DEFIANCE COUNTY --- 4.6 SSW AYERSVILLE [41.17, -84.32]				
	06/29/12 14:50 EST		0	Thunderstorm Wind (EG 75 kt)
	06/29/12 14:51 EST		0	Source: Emergency Manager
Emergency management officials reported the collapse of the second story of a residence. A barn was also blown down.				
<hr/>				
PUTNAM COUNTY --- 2.3 NNW OTTAWA PUTNAM CO ARP [41.06, -84.00]				
	06/29/12 14:50 EST		0	Thunderstorm Wind (EG 75 kt)
	06/29/12 14:51 EST		0	Source: Newspaper
A local newspaper reported that Ohio 109 was closed between Ottawa and Ohio 613 as a result of wind damage.				
<hr/>				
HENRY COUNTY --- 0.7 N NAPOLEON [41.39, -84.13]				
	06/29/12 14:55 EST		0	Thunderstorm Wind (MG 63 kt)
	06/29/12 14:56 EST		0	Source: Trained Spotter
A trained spotter recorded a 73 mph wind gust. Tree limbs were noted down in the area.				
<hr/>				
PUTNAM COUNTY --- 0.5 W COLUMBUS GROVE [40.92, -84.06]				
	06/29/12 14:55 EST		0	Thunderstorm Wind (MG 68 kt)
	06/29/12 14:56 EST		0	Source: Trained Spotter
A trained spotter recorded a 78 mph wind gust. A swing set at a residence was destroyed.				
<hr/>				
PUTNAM COUNTY --- 1.4 S OTTAWA [41.00, -84.05]				
	06/29/12 14:55 EST		0	Thunderstorm Wind (EG 80 kt)
	06/29/12 14:56 EST		0	Source: Trained Spotter
A trained spotter reported a portion of a roof being blown off a factory as well as trees being uprooted in the area.				
<hr/>				
PUTNAM COUNTY --- 0.4 W COLUMBUS GROVE [40.92, -84.06]				
	06/29/12 14:57 EST		0.10M	Thunderstorm Wind (EG 65 kt)
	06/29/12 14:58 EST		0	Source: Newspaper
A local newspaper showed pictures of a second story wall of the two story Christies on the Square, built in the 1800s, being blown out with debris falling onto the street below, destroying two parked cars.				
<hr/>				
PUTNAM COUNTY --- 0.5 W COLUMBUS GROVE [40.92, -84.06]				

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/12 14:58 EST		0	Thunderstorm Wind (EG 60 kt)
	06/29/12 14:59 EST		0	Source: Newspaper

A local newspaper posted a picture of several large trees snapped and laid over onto State Route 65 in Columbus Grove, blocking the roadway for several hours.

ALLEN COUNTY --- 0.9 SW LIMA [40.74, -84.11]

06/29/12 15:00 EST	0	Thunderstorm Wind (EG 52 kt)
06/29/12 15:01 EST	0	Source: Trained Spotter

A trained spotter estimated 60 mph wind gusts. Power lines and small tree limbs were blown down throughout the town.

VAN WERT COUNTY --- SCOTT [40.98, -84.57]

06/29/12 15:00 EST	0	Thunderstorm Wind (MG 76 kt)
06/29/12 15:05 EST	0	Source: Mesonet

A mesonet site recorded a 87 mph wind gust. The data from the site indicated the gusts continued for at least 5 minutes.

PUTNAM COUNTY --- 0.5 E PANDORA [40.95, -83.96]

06/29/12 15:08 EST	50K	Thunderstorm Wind (EG 75 kt)
06/29/12 15:09 EST	0	Source: Newspaper

A local newspaper reported a tree fell through a house near Pandora. In addition, the Bridenbaugh School house, north of Pandora, lost nearly half of its roof to the strong winds.


HENRY COUNTY --- 2.7 ESE PLEASANT BEND [41.17, -84.13]

06/29/12 15:10 EST	0	Thunderstorm Wind (MG 56 kt)
06/29/12 15:11 EST	0	Source: Mesonet

A mesonet site recorded a 64 mph wind gust.

A shallow quasi-stationary frontal boundary was located from Iowa and Nebraska into portions of northern Indiana. Steep mid-level lapse rates, extreme instability (CAPES in excess of 8000 J/kg per Lincoln, IL sounding and strong mid-level flow allowed for a favorable environment for a cluster of storms over northeastern Illinois to rapidly intensify as they moved into northern Indiana. A derecho was well underway as the line entered northwestern Ohio with widespread damage occurring in many locations.

Storm Data and Unusual Weather Phenomena - June 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Wall damage to Christie's on the Square, in Columbus Grove. Picture submitted by Eric Davis.

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
LA PORTE COUNTY --- 0.7 N LA PORTE [41.61, -86.72]				
	07/01/12 12:46 CST		0	Thunderstorm Wind (EG 60 kt)
	07/01/12 12:47 CST		0	Source: Law Enforcement
Law enforcement officials reported numerous trees and power lines down across the county, especially in central and southern sections.				
STARKE COUNTY --- KNOX [41.30, -86.63]				
	07/01/12 12:57 CST		0	Thunderstorm Wind (EG 55 kt)
	07/01/12 12:58 CST		0	Source: Law Enforcement
Local law enforcement officials reported trees and power lines were blown down in the Knox area.				
PULASKI COUNTY --- 0.5 E WINAMAC [41.05, -86.61]				
	07/01/12 13:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/01/12 13:01 CST		0	Source: Trained Spotter
A trained spotter estimated wind gusts to 70 mph. Several two to four inch diameter branches were blown down in the area.				
STARKE COUNTY --- 1.3 WSW BASS LAKE [41.21, -86.60]				
	07/01/12 13:09 CST		0	Thunderstorm Wind (EG 55 kt)
	07/01/12 13:10 CST		0	Source: Law Enforcement
Law enforcement officials reported trees and power lines down in the Bass Lake area.				
CASS COUNTY --- 0.7 S LOGANSPOUT MUNI ARPT [40.71, -86.38]				
	07/01/12 13:15 EST		0	Thunderstorm Wind (MG 53 kt)
	07/01/12 13:16 EST		0	Source: AWOS
The automated weather sensor at the Logansport Municipal airport recorded a 61 mph wind gust.				
WHITE COUNTY --- 0.5 W MONON [40.87, -86.88]				
	07/01/12 13:25 EST		0	Hail (0.88 in)
	07/01/12 13:26 EST		0	Source: Trained Spotter
A trained spotter reported pea to nickel size hail.				
MIAMI COUNTY --- 1.7 ENE PERU NUMI ARPT [40.79, -86.12]				
	07/01/12 13:28 EST		0	Thunderstorm Wind (EG 55 kt)
	07/01/12 13:29 EST		0	Source: Law Enforcement
Local law enforcement officials reported trees were blown down on the south side of Mexico.				
WHITE COUNTY --- 0.5 W MONTICELLO [40.75, -86.76]				
	07/01/12 14:00 EST		0	Hail (0.88 in)
	07/01/12 14:01 EST		0	Source: Trained Spotter
A spotter reported nickel size hail, along with wind gusts to 40 mph.				
FULTON COUNTY --- 1.3 WSW ROCHESTER [41.06, -86.24]				
	07/01/12 14:24 EST		0	Thunderstorm Wind (EG 52 kt)
	07/01/12 14:25 EST		0	Source: Amateur Radio
An amateur radio operator estimated wind gusts to 60 mph.				
FULTON COUNTY --- 2.1 E KEWANNA [41.02, -86.36]				
	07/01/12 14:25 EST		0	Hail (1.50 in)
	07/01/12 14:26 EST		0	Source: Emergency Manager
Emergency management officials reported hail ranging from the size of quarters to ping pong balls.				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WABASH COUNTY --- 0.5 E URBANA [40.90, -85.79]				
	07/01/12 14:26 EST		0	Thunderstorm Wind (EG 52 kt)
	07/01/12 14:27 EST		0	Source: Trained Spotter
A trained spotter estimated wind gusts to 60 mph.				
HUNTINGTON COUNTY --- 1.7 WNW HUNTINGTON MUNI ARPT [40.86, -85.50]				
	07/01/12 14:40 EST		0	Hail (0.75 in)
	07/01/12 14:41 EST		0	Source: Trained Spotter
HUNTINGTON COUNTY --- 1.0 W HUNTINGTON [40.88, -85.50]				
	07/01/12 14:44 EST		0	Hail (1.00 in)
	07/01/12 14:45 EST		0	Source: Trained Spotter
KOSCIUSKO COUNTY --- 2.6 SE WINONA LAKE [41.19, -85.82]				
	07/01/12 14:45 EST		0	Thunderstorm Wind (EG 60 kt)
	07/01/12 14:46 EST		0	Source: Trained Spotter
A trained spotter reported a two foot diameter tree down onto power lines on South Country Club Road.				
KOSCIUSKO COUNTY --- 2.3 SSE WINONA LAKE [41.19, -85.83]				
	07/01/12 14:47 EST		0	Thunderstorm Wind (EG 60 kt)
	07/01/12 14:48 EST		0	Source: Trained Spotter
A trained spotter reported a four foot diameter tree was uprooted about a quarter mile north of County Road 300 on South Country Club Road. A four inch limb was also blown down onto power lines in the area.				
MIAMI COUNTY --- 2.1 SE GILEAD [40.95, -85.99]				
	07/01/12 14:50 EST		0	Thunderstorm Wind (EG 55 kt)
	07/01/12 14:51 EST		0	Source: Law Enforcement
Law enforcement officials reported trees down on the southeast side of Gilead.				
KOSCIUSKO COUNTY --- 3.5 NE CLAYPOOL [41.17, -85.84]				
	07/01/12 14:53 EST		0	Thunderstorm Wind (EG 60 kt)
	07/01/12 14:54 EST		0	Source: Trained Spotter
A trained spotter reported a two and one half foot diameter tree was uprooted across County Farm Road, near County Road 450 South.				
WELLS COUNTY --- 0.7 N BLUFFTON [40.74, -85.17]				
	07/01/12 14:56 EST		0	Hail (0.75 in)
	07/01/12 14:57 EST		0	Source: Trained Spotter
JAY COUNTY --- 0.7 S PENNVILLE [40.49, -85.15]				
	07/01/12 15:05 EST		0	Hail (1.00 in)
	07/01/12 15:06 EST		0	Source: Trained Spotter
WELLS COUNTY --- 0.7 N BLUFFTON [40.74, -85.17]				
	07/01/12 15:06 EST		0	Hail (0.75 in)
	07/01/12 15:07 EST		0	Source: Trained Spotter
WELLS COUNTY --- 0.7 N BLUFFTON [40.74, -85.17]				
	07/01/12 15:09 EST		0	Hail (1.00 in)
	07/01/12 15:10 EST		0	Source: Trained Spotter
JAY COUNTY --- PORTLAND [40.43, -84.98]				
	07/01/12 15:13 EST		0	Thunderstorm Wind (MG 61 kt)
	07/01/12 15:14 EST		0	Source: AWOS

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
An automated weather sensor in Portland recorded a 70 mph wind gust.				
ALLEN COUNTY --- 1.5 SSE BROOKSIDE ESTATES [41.13, -85.07]				
	07/01/12 15:30 EST		0	Thunderstorm Wind (MG 51 kt)
	07/01/12 15:31 EST		0	Source: Trained Spotter
A trained spotter measured a 59 mph wind gust along the gust front of the storm. Small tree limbs were blown down in the area.				
LAGRANGE COUNTY --- HOWE [41.72, -85.42]				
	07/01/12 15:30 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/12 15:31 EST		0	Source: Public
The public reported a power line was blown down.				
STEUBEN COUNTY --- 1.6 W FLINT [41.65, -85.16]				
	07/01/12 15:46 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/12 15:47 EST		0	Source: Trained Spotter
A trained spotter reported numerous three inch diameter tree limbs down at the intersection of County Roads 900 West and 50 North.				
STEUBEN COUNTY --- 0.7 S ANGOLA [41.62, -85.00]				
	07/01/12 15:53 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/12 15:54 EST		0	Source: Trained Spotter
A trained spotter reported several small tree limbs down.				
STEUBEN COUNTY --- FREMONT [41.73, -84.93]				
	07/01/12 15:55 EST		0	Thunderstorm Wind (EG 55 kt)
	07/01/12 15:56 EST		0	Source: Trained Spotter
A trained spotter reported numerous three to six inch diameter tree limbs down.				
STEUBEN COUNTY --- 0.5 W ELLIS [41.63, -84.93]				
	07/01/12 15:57 EST		0	Hail (0.75 in)
	07/01/12 15:58 EST		0	Source: Trained Spotter
STEUBEN COUNTY --- 1.2 NE METZ [41.63, -84.81]				
	07/01/12 16:02 EST		0	Thunderstorm Wind (EG 61 kt)
	07/01/12 16:03 EST		0	Source: NWS Employee
An off duty NWS Employee estimated wind gusts to 70 mph. Several large trees were split or otherwise damaged in the area.				
A weak frontal boundary was located from Indiana northwest into the western Dakotas. A disturbance moved along the front, interacting with surface based CAPE values in the 3000 to 4000 j/kg range and downdraft CAPE values between 1000 and 1500 j/kg to allow for severe thunderstorms to develop across portions of northern Illinois and track into northern Indiana. Steep low and mid level lapse rates allowed for strong updrafts to occur, with pockets of hail, heavy rain and damaging winds.				
ALLEN COUNTY --- 1.3 ENE CONCORDIA GARDENS [41.13, -85.08]				
	07/05/12 17:30 EST		0	Thunderstorm Wind (EG 55 kt)
	07/05/12 17:31 EST		0	Source: Broadcast Media
Local media reported a tree was blown down across the road near the intersection of Reed and St. Joe Center Road.				
ALLEN COUNTY --- 0.7 N CONCORDIA GARDENS [41.13, -85.10]				
	07/05/12 17:33 EST		0	Hail (0.88 in)
	07/05/12 17:34 EST		0	Source: Trained Spotter
ALLEN COUNTY --- 0.7 N GREENDALE [41.11, -85.12]				
	07/05/12 17:33 EST		0	Thunderstorm Wind (EG 55 kt)
	07/05/12 17:34 EST		0	Source: Broadcast Media
Local media reported trees were blown down in Johnny Appleseed park, with one tree smashing a camper trailer. No injuries were reported.				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALLEN COUNTY --- 1.0 W ROYAL OAKS [41.10, -85.10]				
	07/05/12 17:33 EST		0	Thunderstorm Wind (EG 60 kt)
	07/05/12 17:34 EST		0	Source: Trained Spotter
A trained spotter reported three large trees were uprooted near Vance Avenue and Santa Rosa Drive. Two of these trees fell into a house, causing major structural damage.				
ALLEN COUNTY --- 0.7 N FT WAYNE [41.08, -85.13]				
	07/05/12 17:36 EST		0	Thunderstorm Wind (EG 55 kt)
	07/05/12 17:37 EST		0	Source: Trained Spotter
A trained spotter reported large tree limbs, some up to six inches in diameter, were blown down.				
ALLEN COUNTY --- GREENDALE [41.10, -85.12]				
	07/05/12 17:43 EST		0	Thunderstorm Wind (EG 55 kt)
	07/05/12 17:44 EST		0	Source: Amateur Radio
Amateur radio operators reported tree limbs, ranging from two to six inches in diameter, were blown down. A flag pole was also blown down in the area.				
A disturbance moved along the northeastern periphery of a strong upper level ridge. Moderate to extreme instability existed as the feature moved into northern Indiana, sparking off showers and thunderstorms. A low shear environment resulted in pulse-type thunderstorms developing along a outflow boundary. Isolated damaging winds occurred as the storms collapsed and tapped into around 1300 j/kg of downdraft CAPE.				
HUNTINGTON COUNTY --- 0.9 NW HUNTINGTON [40.89, -85.49]				
	07/06/12 14:30 EST		0	Thunderstorm Wind (EG 50 kt)
	07/06/12 14:31 EST		0	Source: Emergency Manager
Emergency management officials reported power lines were down on Tipton and Woodlawn Streets.				
HUNTINGTON COUNTY --- 3.5 S GOBLESVILLE [40.93, -85.51]				
	07/06/12 15:07 EST		0	Hail (1.00 in)
	07/06/12 15:08 EST		0	Source: Law Enforcement
HUNTINGTON COUNTY --- 2.6 NW HUNTINGTON [40.91, -85.51]				
	07/06/12 15:14 EST		0	Hail (0.75 in)
	07/06/12 15:15 EST		0	Source: Emergency Manager
HUNTINGTON COUNTY --- 2.6 NW HUNTINGTON [40.91, -85.51]				
	07/06/12 15:14 EST		0	Thunderstorm Wind (EG 50 kt)
	07/06/12 15:15 EST		0	Source: Emergency Manager
Emergency management officials reported corn was laying on its side at County Road 500 North and Clear Creek Road.				
HUNTINGTON COUNTY --- 2.1 NW HUNTINGTON [40.90, -85.51]				
	07/06/12 15:20 EST		0	Hail (0.75 in)
	07/06/12 15:21 EST		0	Source: Trained Spotter
HUNTINGTON COUNTY --- 2.8 N HUNTINGTON [40.92, -85.49]				
	07/06/12 15:22 EST		0	Thunderstorm Wind (EG 55 kt)
	07/06/12 15:23 EST		0	Source: Law Enforcement
Local law enforcement officials reported a tree was blown down across County Road 200 West, just south of County Road 600 North.				
HUNTINGTON COUNTY --- 0.9 NW HUNTINGTON [40.89, -85.49]				
	07/06/12 15:30 EST		0	Thunderstorm Wind (EG 50 kt)
	07/06/12 15:31 EST		0	Source: Emergency Manager
Emergency management officials reported power lines down on Tipton and Woodlawn Streets.				
HUNTINGTON COUNTY --- 1.0 W HUNTINGTON [40.88, -85.50]				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/06/12 15:31 EST		0	Thunderstorm Wind (EG 60 kt)
	07/06/12 15:32 EST		0	Source: Emergency Manager
Emergency management officials reported a large tree fell into two homes on West Park Drive. Moderate damage was caused to one of the homes, with the other suffering minor damage. Observations indicated the tree broke in an area that appeared to have been damaged from the June 29th derecho event.				
HUNTINGTON COUNTY --- 0.8 SSW HUNTINGTON [40.87, -85.48]				
	07/06/12 15:32 EST		0	Thunderstorm Wind (EG 50 kt)
	07/06/12 15:33 EST		0	Source: Emergency Manager
Emergency management officials reported two three to five inch branches down on South Briant Street.				
LAGRANGE COUNTY --- 0.4 WSW HOWE REID EASH ARPT [41.70, -85.43]				
	07/06/12 17:37 EST		0	Thunderstorm Wind (EG 60 kt)
	07/06/12 17:38 EST		0	Source: Newspaper
A local newspaper and trained spotter reported 17 to 19 trees were toppled on one property on the west side of State Route 9, a few hundred yards south of County Road 400 North . Nine of the trees were uprooted with the rest snapped above the base.				
LAGRANGE COUNTY --- HOWE REID EASH ARPT [41.70, -85.42]				
	07/06/12 17:44 EST		0	Thunderstorm Wind (EG 50 kt)
	07/06/12 17:45 EST		0	Source: Trained Spotter
A trained spotter reported a metal shed was blown over.				
LAGRANGE COUNTY --- 0.7 S LAGRANGE [41.64, -85.42]				
	07/06/12 17:53 EST		0	Hail (0.75 in)
	07/06/12 17:55 EST		0	Source: Trained Spotter
Hot temperatures in the 90s and dewpoints in the lower 70s resulted in a very unstable atmosphere across northern Indiana. A strong elevated mixed layer resulted in between 1500 and 2000 j/kg of downdraft CAPE. Isolated thunderstorms developed along an outflow boundary along and near US 24. While the overall flow was weak, the instability and local convergence allowed for storms to break through the capping and utilize the available energy. As several outflow boundaries combined over Huntington county and interaction between a lake breeze and outflow boundary over Lagrange county occurred, a few storms produced damaging winds during the collapse stage, causing tree damage and sporadic hail.				
MIAMI COUNTY --- 1.1 E JUNCTION [40.75, -86.01]				
	07/17/12 16:12 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/12 16:13 EST		0	Source: 911 Call Center
Local officials reported a tree was blown down at the intersection of County Road 300 East and Wabash Road.				
LAGRANGE COUNTY --- 0.7 S LAGRANGE [41.64, -85.42]				
	07/17/12 19:23 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/12 19:24 EST		0	Source: 911 Call Center
Local officials reported a power line down at the intersection of County Roads 1290 North and 300 East.				
LAGRANGE COUNTY --- 0.7 S LAGRANGE [41.64, -85.42]				
	07/17/12 19:34 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/12 19:35 EST		0	Source: Social Media
A report of a tree being blown down, landing on a SUV, was found posted on Facebook.				
LAGRANGE COUNTY --- 0.7 S LAGRANGE [41.64, -85.42]				
	07/17/12 19:35 EST		0	Thunderstorm Wind (EG 55 kt)
	07/17/12 19:36 EST		0	Source: Law Enforcement
Law enforcement officials reported several trees down with power outages throughout the county.				
STEBEN COUNTY --- ANGOLA [41.63, -85.00]				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/17/12 20:09 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/12 20:10 EST		0	Source: 911 Call Center
Local officials reported a tree blown down near the intersection of County Road 600 West and US-20.				
A weakly sheared, moderately unstable atmosphere was in place across northern Indiana. Outflow boundaries from past thunderstorms allowed for pockets of convergence strong enough for convection to break through mid level capping and intensify. A few of the storms produced isolated wind damage.				
ALLEN COUNTY --- 2.6 NW BROOKSIDE ESTATES [41.18, -85.11]				
	07/18/12 12:04 EST		0	Hail (0.88 in)
	07/18/12 12:05 EST		0	Source: Trained Spotter
ALLEN COUNTY --- 0.5 W (FWA)BAER FLD FT WAY [40.98, -85.19]				
	07/18/12 12:53 EST		0	Hail (1.00 in)
	07/18/12 12:54 EST		0	Source: ASOS
Hail the size of peas started falling about a half hour before the recorded time. The hail size had increased to quarters by this time.				
A frontal boundary was located from southern Lake Michigan to Lake Erie. Unstable conditions existed south of the front, allowing for isolated convection to develop. However, a weakly sheared environment allowed for only a few reports of hail in the Fort Wayne area.				
LA PORTE COUNTY --- 0.7 S WESTVILLE [41.54, -86.90]				
	07/18/12 22:15 CST		0	Thunderstorm Wind (EG 55 kt)
	07/18/12 22:16 CST		0	Source: Law Enforcement
Law enforcement officials reported trees and power lines down in Westville and across the county.				
LA PORTE COUNTY --- 0.7 S WESTVILLE [41.54, -86.90]				
	07/18/12 22:21 CST		0	Thunderstorm Wind (MG 52 kt)
	07/18/12 22:25 CST		0	Source: Trained Spotter
A trained spotter measured wind gusts to 60 mph for a three to four minute period.				
LA PORTE COUNTY --- 0.7 N LA PORTE [41.61, -86.72]				
	07/18/12 22:35 CST		0	Thunderstorm Wind (EG 55 kt)
	07/18/12 22:36 CST		0	Source: Law Enforcement
Law enforcement officials repoerted numerous trees and power lines down in La porte.				
ST. JOSEPH COUNTY --- 0.5 E LAKEVILLE [41.52, -86.27]				
	07/18/12 23:54 EST		0	Thunderstorm Wind (MG 63 kt)
	07/18/12 23:55 EST		0	Source: Public
A report from the public was relayed by local media of a 72 mph wind gust with passage of the outflow boundary.				
ST. JOSEPH COUNTY --- 0.5 E NEW CARLISLE [41.70, -86.51]				
	07/18/12 23:55 EST		0	Thunderstorm Wind (EG 55 kt)
	07/18/12 23:56 EST		0	Source: Law Enforcement
Law enforcement officials reported numerous trees down in New Carlisle.				
ST. JOSEPH COUNTY --- 0.5 E LAKEVILLE [41.52, -86.27]				
	07/19/12 00:00 EST		0	Thunderstorm Wind (EG 55 kt)
	07/19/12 00:01 EST		0	Source: Law Enforcement
Law enforcement officials reported numerous trees down in Lakeville.				
ST. JOSEPH COUNTY --- 0.5 E NEW CARLISLE [41.70, -86.51]				
	07/19/12 00:00 EST		0	Thunderstorm Wind (EG 55 kt)
	07/19/12 00:01 EST		0	Source: Broadcast Media

Local media reported a tree was blown down across a road in New Carlisle.

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ST. JOSEPH COUNTY --- 1.5 NNE WALKERTON [41.49, -86.47], 2.1 S WALKERTON [41.44, -86.48], 3.1 SW WALKERTON [41.44, -86.52], 2.3 W WALKERTON [41.47, -86.52]				
	07/19/12 00:00 EST		0	Flash Flood (due to Heavy Rain)
	07/19/12 01:30 EST		0	Source: Public
The public reported water running over several roads in and around Walkerton. Rainfall reports from spotters and CoCoRAHS observers indicated that one and one half to nearly three inches of rain fell within a few hour period.				
A fragmented line of weakening thunderstorms moved out of northeastern Illinois ahead of a upper level wave. The thunderstorms moved into portions of northwestern Indiana, producing wind damage across La Porte and St. Joseph counties before weakening below severe limits.				
GRANT COUNTY --- 1.7 NW UPLAND [40.49, -85.50]				
	07/24/12 04:25 EST		0	Thunderstorm Wind (EG 60 kt)
	07/24/12 04:26 EST		0	Source: Emergency Manager
Emergency management officials reported several trees uprooted or snapped, especially in the Upland area. Damage to a home on the north side of Upland was noted, but no further details were available as to the extent of the damage.				
LA PORTE COUNTY --- 0.9 NE WANATAH [41.44, -86.89]				
	07/24/12 06:30 CST		0	Thunderstorm Wind (EG 55 kt)
	07/24/12 06:31 CST		0	Source: Department of Highways
The county highway department reported a tree was blown down onto U.S. 421, north of U.S. 30.				
LA PORTE COUNTY --- WANATAH [41.43, -86.90]				
	07/24/12 06:30 CST		0	Thunderstorm Wind (EG 55 kt)
	07/24/12 06:31 CST		0	Source: Public
The public reported a large tree was blown onto a fence at a residence in Wanatah.				
STARKE COUNTY --- 1.6 E BREMS [41.33, -86.67]				
	07/24/12 06:48 CST		0	Thunderstorm Wind (EG 65 kt)
	07/24/12 06:49 CST		0	Source: Emergency Manager
Emergency management officials and local media reports indicated damage to several hangars at the Starke county airport in Knox. Several planes suffered varying degrees of damage with some tipped forward or suffering wing damage.				
STARKE COUNTY --- 1.6 E BREMS [41.33, -86.67]				
	07/24/12 06:48 CST		0	Thunderstorm Wind (MG 74 kt)
	07/24/12 06:49 CST		0	Source: AWOS
An 85 mph wind gust was observed by airport staff on the automated weather system before power was lost.				
STARKE COUNTY --- KNOX [41.30, -86.63]				
	07/24/12 06:48 CST		0	Thunderstorm Wind (EG 61 kt)
	07/24/12 06:49 CST		0	Source: Broadcast Media
Local media reported estimated winds to 70 mph in the town of Knox. Trees were reported uprooted with some falling onto cars near the county court house.				
PULASKI COUNTY --- 2.1 NNE MEDARYVILLE [41.11, -86.89]				
	07/24/12 06:54 CST		0	Thunderstorm Wind (EG 55 kt)
	07/24/12 06:55 CST		0	Source: Department of Highways
The highway department reported several trees were blown down, blocking State Route 143, between U.S 421 and Medaryville.				
MARSHALL COUNTY --- 0.5 E AYR [41.45, -86.07]				
	07/24/12 07:56 EST		0	Thunderstorm Wind (EG 50 kt)
	07/24/12 07:57 EST		0	Source: Broadcast Media
Local media reported several small limbs down along U.S.6, between Bremen and Nappanee.				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WHITE COUNTY --- 2.9 SE GARWOOD ARPT [40.85, -86.81]				
	07/24/12 08:01 EST		0	Thunderstorm Wind (EG 52 kt)
	07/24/12 08:02 EST		0	Source: Trained Spotter
A trained spotter estimated wind gusts to 60 mph. Several small diameter limbs were blown down in the area.				
WHITLEY COUNTY --- 1.0 E LARWILL [41.18, -85.61]				
	07/24/12 08:01 EST		0	Thunderstorm Wind (MG 52 kt)
	07/24/12 08:02 EST		0	Source: Trained Spotter
A trained spotter measured a 60 mph wind gust.				
CASS COUNTY --- 3.5 N DUNKIRK [40.80, -86.41]				
	07/24/12 08:19 EST		0	Thunderstorm Wind (EG 55 kt)
	07/24/12 08:20 EST		0	Source: Department of Highways
County highway officials reported a tree was blown down, blocking U.S. 35, between Royal Center and Logansport.				
FULTON COUNTY --- 0.7 S ROCHESTER [41.06, -86.22]				
	07/24/12 08:19 EST		0	Thunderstorm Wind (EG 60 kt)
	07/24/12 08:20 EST		0	Source: Law Enforcement
Law enforcement officials reported a tree was blown down in the city of Rochester, as was several signs. Trees and power lines were also reported down across other portions of the county.				
MIAMI COUNTY --- 0.7 N (GUS)GRISSOM AFB PER [40.66, -86.15]				
	07/24/12 08:38 EST		0	Thunderstorm Wind (MG 50 kt)
	07/24/12 08:39 EST		0	Source: AWOS
The automated weather sensor at the Grissom Air Force base recorded a 58 mph wind gust.				
MIAMI COUNTY --- PERU [40.75, -86.07]				
	07/24/12 08:40 EST		0	Thunderstorm Wind (EG 52 kt)
	07/24/12 08:41 EST		0	Source: NWS Employee
An off duty NWS employee estimated a wind gust to 60 mph in Peru.				
HUNTINGTON COUNTY --- 0.7 N HUNTINGTON [40.89, -85.48]				
	07/24/12 08:47 EST		0	Thunderstorm Wind (EG 55 kt)
	07/24/12 08:48 EST		0	Source: Emergency Manager
Emergency management officials reported a tree was blown down on Grayston Avenue in Huntington.				
HUNTINGTON COUNTY --- 3.8 ENE MONUMENT CITY [40.81, -85.54]				
	07/24/12 08:48 EST		0	Thunderstorm Wind (EG 50 kt)
	07/24/12 08:49 EST		0	Source: Emergency Manager
A large branch was blown down near State Route 9 and County Road 100 South.				
An area of thunderstorms initiated across southwestern Minnesota in an area of increased instability and 30 knot low level jet. These storms progressed southeast across Wisconsin into Illinois and eventually northern Indiana. As the storms moved into northeastern Illinois and northern Indiana a cold pool became established, with reports of wind damage in several locations, especially across Starke county. Ahead of the line, additional thunderstorms developed and produced more isolated wind and hail reports.				
ELKHART COUNTY --- 0.1 NNW MILLERSBURG [41.52, -85.70]				
	07/27/12 14:50 EST		0	Thunderstorm Wind (EG 52 kt)
	07/27/12 14:51 EST		0	Source: NWS Employee
An off duty NWS employee estimated a wind gust of 55 to 60 mph.				
A cold front moved across northern Indiana, sparking scattered thunderstorms. One storm produced borderline severe wind gusts in Elkhart county.				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ST. JOSEPH COUNTY --- 0.9 SE MISHAWAKA [41.66, -86.16]				
	07/31/12 04:05 EST		0	Thunderstorm Wind (EG 50 kt)
	07/31/12 04:06 EST		0	Source: Public
The public reported a vehicle hit a tree limb that had fallen onto the road at US 331 and Kern Rd. Power lines were also reported down in the area.				
FULTON COUNTY --- 0.5 E LEITERS FORD [41.12, -86.39]				
	07/31/12 05:22 EST		0	Hail (1.00 in)
	07/31/12 05:23 EST		0	Source: Law Enforcement
A line of elevated thunderstorms moved across Lower Michigan ahead of an upper level system. Weak instability, but moderate shear allowed for the storms to continue southeast. Steep mid-level lapse rates allow for a few of the storms to produce large hail and gusty winds.				
LAKE MICHIGAN				
MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 0.9 NNW MICHIGAN CITY [41.73, -86.91]				
	07/01/12 13:45 EST		0	Marine Thunderstorm Wind (MG 62 kt)
	07/01/12 13:46 EST		0	Source: C-MAN Station
A 62 knot (71 mph) gust was recorded at Michigan City GLERL site.				
NEW BUFFALO TO ST JOSEPH MI COUNTY --- 3.0 NW WARREN DUNES ST PRK [41.98, -86.62]				
	07/01/12 14:00 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/01/12 14:01 EST		0	Source: Buoy
A 35 knot (40 mph) gust was recorded at Buoy 45026, located near the Cook Nuclear Plant in Bridgman.				
A weak frontal boundary was located from Indiana northwest into the western Dakotas. A disturbance moved along the front, interacting with surface based CAPE values in the 3000 to 4000 j/kg range and downdraft CAPE values between 1000 and 1500 j/kg to allow for severe thunderstorms to develop across portions of northern Illinois and track across southern Lake Michigan. Gusty winds were reported with the thunderstorms as they came onshore.				
MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 0.9 NNW MICHIGAN CITY [41.73, -86.91]				
	07/18/12 23:00 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	07/18/12 23:01 EST		0	Source: C-MAN Station
A wind gust to 56 mph was recorded at the Michigan City GLERL marine site.				
A fragmented line of weakening thunderstorms moved out of northeastern Illinois ahead of an upper level wave. The thunderstorms moved across portions of southeastern Lake Michigan producing strong wind gusts before moving onshore.				
MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 0.9 NNW MICHIGAN CITY [41.73, -86.91]				
	07/26/12 03:15 EST		0	Marine Thunderstorm Wind (MG 48 kt)
	07/26/12 03:16 EST		0	Source: C-MAN Station
A 55 mph wind gust was recorded during a thunderstorm at the Michigan City GLERL observation site.				
Isolated thunderstorms moved across southern Lake Michigan and produced strong winds prior to coming ashore.				
MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 0.9 NNW MICHIGAN CITY [41.73, -86.91]				
	07/26/12 19:10 EST		0	Marine Thunderstorm Wind (MG 53 kt)
	07/26/12 19:11 EST		0	Source: C-MAN Station
A 61 mph wind gust was recorded during a thunderstorm at the Michigan City GLERL observation site.				
Isolated thunderstorms moved across southern Lake Michigan and produced strong winds prior to coming ashore.				
NEW BUFFALO TO ST JOSEPH MI COUNTY --- 0.7 W ST. JOSEPH HARBOR [42.10, -86.49]				

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/31/12 03:10 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	07/31/12 03:11 EST		0	Source: C-MAN Station

The marine weather site at St. Joseph recorded a 34 knot (39 mph) wind gust.

A line of elevated thunderstorms moved across Lake Michigan ahead of an upper level system. Weak instability, but moderate shear allowed for the storms to continue southeast. The elevated nature of the storms only allowed for marginally strong marine wind gusts to occur.

MICHIGAN, Extreme Southwest

BRANCH COUNTY --- 2.2 WSW EAST GILEAD [41.77, -85.12]

07/01/12 15:46 EST	0	Thunderstorm Wind (EG 55 kt)
07/01/12 15:47 EST	0	Source: Emergency Manager

Emergency management officials reported a tree was blown down, blocking Adams Road.

HILLSDALE COUNTY --- 1.5 W CAMBRIA [41.82, -84.70]

07/01/12 16:10 EST	0	Thunderstorm Wind (EG 60 kt)
07/01/12 16:11 EST	0	Source: State Official

County dispatch officials reported trees and power lines down in the Cambria and Reading area.

A weak frontal boundary was located from Indiana northwest into the western Dakotas. A disturbance moved along the front, interacting with surface based CAPE values in the 3000 to 4000 j/kg range and downdraft CAPE values between 1000 and 1500 j/kg to allow for severe thunderstorms to develop across portions of northern Illinois and track into portions of far southern lower Michigan. Steep low and mid level lapse rates allowed for strong updrafts to occur, with pockets of hail, heavy rain and damaging winds.

HILLSDALE COUNTY --- 2.0 W NORTH ADAMS [41.97, -84.57]

07/05/12 13:45 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 13:46 EST	0	Source: Emergency Manager

Emergency management officials reported trees and power lines were down along North Adams Road, between Jonesville and North Adams.

HILLSDALE COUNTY --- FOUNTAIN PARK [41.83, -84.53]

07/05/12 15:18 EST	0	Thunderstorm Wind (EG 50 kt)
07/05/12 15:19 EST	0	Source: Emergency Manager

Emergency management officials reported power lines were down near Bird Lake.

HILLSDALE COUNTY --- 0.5 W HILLSDALE [41.92, -84.63]

07/05/12 15:25 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 15:26 EST	0	Source: Emergency Manager

Emergency management officials reported a tree was blown down on the south side of Hillsdale.

A disturbance moved along the northeastern periphery of a strong upper level ridge. Moderate to extreme instability existed as the feature moved into far southern lower Michigan, sparking off showers and thunderstorms. A low shear environment resulted in pulse-type thunderstorms developing along a outflow boundary. Isolated damaging winds occurred as the storms collapsed and tapped into around 1300 j/kg of downdraft CAPE.

CASS COUNTY --- 2.7 SSW EDWARDSBURG [41.77, -86.11]

07/14/12 16:22 EST	0	Thunderstorm Wind (EG 55 kt)
07/14/12 16:23 EST	0	Source: Emergency Manager

Emergency management officials reported power poles were blown down across the road at Redfield Street and Conrad Road.

ST. JOSEPH COUNTY --- 0.8 WNW THREE RIVERS [41.94, -85.64]

07/14/12 17:05 EST	10K	Lightning
07/14/12 17:05 EST	0	Source: Fire Department/Rescue

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Local fire officials and media reported a lightning strike caused an attic fire in the Westchase Apartments complex. Smoke was reported from one of the complexes and the fire was quickly located in the attic. Only one apartment suffered moderate damage when fire crews had to pull the ceiling down to access the area of the fire in the attic. The remaining fire and smoke damage was confined to the attic. No damage estimates were provided, but will be set at \$10,000.				

ST. JOSEPH COUNTY --- 2.0 W MENDON [42.00, -85.49]

07/14/12 17:25 EST	0	Thunderstorm Wind (MG 53 kt)
07/14/12 17:26 EST	0	Source: Trained Spotter

A trained spotter measured a 61 mph wind gust at the intersection of Michigan 60 and Baer Road.

Abundant moisture and hot temperatures allowed for an unstable environment across far southern Lower Michigan. A thermal boundary developed on the edge of a cloud canopy across northern Indiana. This allowed for increased convergence and resulted in isolated pulse thunderstorms developing. Upper level energy moved in during the late afternoon, aiding in some intensification of the storms, mainly in St Joseph and Cass counties where isolated severe weather occurred.

BERRIEN COUNTY --- 1.0 E EDGEWATER [42.12, -86.45]

07/31/12 03:14 EST	0	Hail (0.75 in)
07/31/12 03:15 EST	0	Source: Social Media

BERRIEN COUNTY --- 0.7 N ST JOSEPH [42.11, -86.48]

07/31/12 03:20 EST	0	Hail (1.00 in)
07/31/12 03:21 EST	0	Source: Public

BERRIEN COUNTY --- 0.9 NW BARODA [41.96, -86.49]

07/31/12 03:30 EST	0	Hail (1.00 in)
07/31/12 03:31 EST	0	Source: Social Media

BERRIEN COUNTY --- 0.5 W BERRIEN SPGS [41.95, -86.34]

07/31/12 03:37 EST	0	Hail (1.50 in)
07/31/12 03:38 EST	0	Source: Social Media

The public reported hail averaging between one and one and one half inch (1" to 1.5") in diameter. Smaller tree limbs were blown down as well as leaves from hail.

A line of elevated thunderstorms moved across Lower Michigan ahead of an upper level system. Weak instability, but moderate shear allowed for the storms to continue southeast. Steep mid-level lapse rates allow for a few of the storms to produce large hail.

OHIO, Northwest

WILLIAMS COUNTY --- 0.7 N EDON [41.56, -84.77]

07/01/12 16:09 EST	0	Thunderstorm Wind (EG 60 kt)
07/01/12 16:10 EST	0	Source: Emergency Manager

Emergency management officials reported multiple trees down in western portions of Williams county.

WILLIAMS COUNTY --- 1.6 E COLUMBIA [41.63, -84.77]

07/01/12 16:10 EST	0	Thunderstorm Wind (MG 51 kt)
07/01/12 16:11 EST	0	Source: Mesonet

A Ohio Department of Transportation sensor at the intersection of US 20 and State Route 49 measured a 59 mph wind gust.

FULTON COUNTY --- 0.5 W ARCHBOLD [41.52, -84.31]

07/01/12 16:31 EST	0	Thunderstorm Wind (EG 55 kt)
07/01/12 16:32 EST	0	Source: Broadcast Media

Local media reported the roof was torn off a newer barn near Archbold.

FULTON COUNTY --- 0.5 W ARCHBOLD [41.52, -84.31]

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/01/12 16:33 EST		0	Thunderstorm Wind (EG 55 kt)
	07/01/12 16:34 EST		0	Source: Law Enforcement

Local law enforcement officials reported a roof blown off a building onto a roadway near State Routes 66 and 2.

FULTON COUNTY --- 0.5 W WAUSEON [41.55, -84.14]

07/01/12 16:40 EST	0	Thunderstorm Wind (EG 55 kt)
07/01/12 16:41 EST	0	Source: Trained Spotter

A trained spotter reported trees were blown down across Elm Street in Wauseon.

FULTON COUNTY --- 0.5 E WAUSEON [41.55, -84.12]

07/01/12 16:43 EST	0	Thunderstorm Wind (EG 50 kt)
07/01/12 16:44 EST	0	Source: Trained Spotter

A trained spotter reported a healthy five inch diameter tree limb was blown down across County Road 13.

FULTON COUNTY --- 3.6 SSW SOUTH DELTA [41.50, -84.02]

07/01/12 16:47 EST	0	Thunderstorm Wind (EG 55 kt)
07/01/12 16:48 EST	0	Source: Emergency Manager

Emergency management officials reported a eight inch diameter tree limb down across the road at the intersection of County Road B and 8.

HENRY COUNTY --- 2.1 E TEXAS [41.42, -83.91]

07/01/12 16:47 EST	0	Thunderstorm Wind (EG 65 kt)
07/01/12 16:48 EST	0	Source: Emergency Manager

Emergency management officials reported power lines were down along a three mile stretch of State Road 65, between the Wood/Henry county line to the intersection of State Road 65 and 110. This forced the closure of the road while clean-up occurred. In addition, numerous trees were blown down along the same stretch.

A weak frontal boundary was located from Indiana northwest into the western Dakotas. A disturbance moved along the front, interacting with surface based CAPE values in the 3000 to 4000 j/kg range and downdraft CAPE values between 1000 and 1500 j/kg to allow for severe thunderstorms to persist across northern Indiana, eventually moving into northwestern Ohio. Steep low and mid level lapse rates allowed for strong updrafts to occur, with pockets of hail, heavy rain and damaging winds.

FULTON COUNTY --- 2.1 E ECKLEY [41.57, -84.21]

07/05/12 15:03 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 15:04 EST	0	Source: State Official

County dispatch reported power poles were blown down at State route 2 and County Road 18.

FULTON COUNTY --- 1.7 NE WAUSEON [41.57, -84.11]

07/05/12 15:04 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 15:05 EST	0	Source: State Official

County dispatch reported power poles were blown down near US 20 and County Road 13.

FULTON COUNTY --- 1.4 S WINAMEG [41.60, -84.07]

07/05/12 15:08 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 15:09 EST	0	Source: State Official

County dispatch reported power poles were down near the intersection of County Roads J and 10-2.

ALLEN COUNTY --- 0.9 NE BEAVERDAM [40.84, -83.96]

07/05/12 16:58 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 16:59 EST	0	Source: Trained Spotter

A trained spotter reported trees were blown down along Interstate 75, near Beavertdam.

WILLIAMS COUNTY --- 1.5 NNE WEST UNITY [41.60, -84.42]

07/05/12 17:00 EST	0	Thunderstorm Wind (EG 55 kt)
07/05/12 17:01 EST	0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Emergency management officials reported a tree was blown down at the intersection of US 127 and County Road M.				
<hr/>				
WILLIAMS COUNTY --- 0.7 N WEST UNITY [41.59, -84.43]				
	07/05/12 17:25 EST		0	Thunderstorm Wind (EG 55 kt)
	07/05/12 17:26 EST		0	Source: Emergency Manager

Emergency management officials reported a tree was blown down onto two vehicles. No injuries were reported.

<hr/>				
VAN WERT COUNTY --- 1.6 W SCHUMM [40.75, -84.75]				
	07/05/12 18:03 EST		0	Thunderstorm Wind (EG 55 kt)
	07/05/12 18:04 EST		0	Source: Emergency Manager

Emergency management officials reported power outages from down trees and power lines east of Willshire.

A disturbance moved along the northeastern periphery of a strong upper level ridge. Moderate to extreme instability existed as the feature moved into northwestern Ohio, sparking off showers and thunderstorms. A low shear environment resulted in pulse-type thunderstorms developing along a outflow boundary. Isolated damaging winds occurred as the storms collapsed and tapped into around 1300 j/kg of downdraft CAPE.

<hr/>				
ALLEN COUNTY --- 0.5 W BLUFFTON [40.90, -83.89]				
	07/18/12 13:27 EST		0	Hail (0.75 in)
	07/18/12 13:28 EST		0	Source: Trained Spotter

<hr/>				
PUTNAM COUNTY --- 0.5 W COLUMBUS GROVE [40.92, -84.06]				
	07/18/12 13:39 EST		0	Hail (0.75 in)
	07/18/12 13:40 EST		0	Source: Trained Spotter

A frontal boundary was located from southern Lake Michigan to Lake Erie. Unstable conditions existed south of the front, allowing for isolated convection to develop. However, a weakly sheared environment allowed for only a few reports of hail, which were below severe thresholds.

Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
STARKE COUNTY --- 1.7 NW BASS STATION [41.20, -86.64]				
	08/04/12 15:38 CST		0	Hail (1.00 in)
	08/04/12 15:39 CST		0	Source: Trained Spotter
LA PORTE COUNTY --- WANATAH [41.43, -86.90]				
	08/04/12 15:57 CST		0	Hail (1.25 in)
	08/04/12 15:58 CST		0	Source: Trained Spotter
LA PORTE COUNTY --- WANATAH [41.43, -86.90]				
	08/04/12 15:57 CST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 15:58 CST		0	Source: Trained Spotter
A trained spotter reported power lines down along US 421, near Wanatah.				
STARKE COUNTY --- 0.5 E OBER [41.27, -86.52]				
	08/04/12 15:58 CST		0	Hail (1.00 in)
	08/04/12 15:59 CST		0	Source: Public
LA PORTE COUNTY --- 0.7 N LA PORTE [41.61, -86.72]				
	08/04/12 16:10 CST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 16:11 CST		0	Source: Public
The public reported two large trees were blown down.				
LA PORTE COUNTY --- 0.7 S ROLLING PRAIRIE [41.66, -86.62], 1.0 ENE ROLLING PRAIRIE [41.68, -86.60]				
	08/04/12 16:20 CST		0	Tornado (EF1, L: 1.46 mi , W: 20 yd)
	08/04/12 16:22 CST		0	Source: Emergency Manager
Emergency management officials, in coordination with NWS officials, indicated an area of damage associated with a line of severe thunderstorms, was consistent with an EF1 tornado near Rolling Prairie. Damage was first noted near the intersection of State Route 2 and County Road 400 East, where a few trees fell onto power lines. As the circulation skipped along the ground, additional trees were blown down near the intersection of State Route 2 and County Road 450. The most substantial damage occurred at a residence of the along the 4600 block of Oak Knoll Road. A south-east facing garage door failed, which allowed the winds to enter the garage and blow out the north wall of the garage (DI: MDWH, DOD: 3.) The circulation also rolled and destroyed an un-anchored shed at the same residence. A barn was also destroyed northeast of this residence before the circulation lifted. The maximum width of the circulation was 20 yards. The maximum wind speed is estimated at between 85 and 90 mph.				
LA PORTE COUNTY --- ROLLING PRAIRIE [41.67, -86.62]				
	08/04/12 16:20 CST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 16:21 CST		0	Source: Emergency Manager
Emergency management officials reported trees and power lines down.				
LA PORTE COUNTY --- 0.5 E SPRINGVILLE [41.68, -86.72]				
	08/04/12 16:50 CST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 16:51 CST		0	Source: Trained Spotter
A trained spotter reported a small tree was blown down.				
ST. JOSEPH COUNTY --- 0.5 E (SBN)MICHIANA ARPT S [41.70, -86.31]				
	08/04/12 17:03 EST		0	Thunderstorm Wind (MG 57 kt)
	08/04/12 17:04 EST		0	Source: ASOS
The automated weather observation system at the South Bend Regional Airport recorded a 66 mph wind gust.				
MARSHALL COUNTY --- 0.9 SE PLYMOUTH [41.34, -86.31]				
	08/04/12 17:35 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 17:36 EST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Emergency management officials reported trees down throughout the county, including across US 31, south of US 30.				
ST. JOSEPH COUNTY --- 0.9 SE MISHAWAKA [41.66, -86.16]				
	08/04/12 17:38 EST		0	Thunderstorm Wind (EG 52 kt)
	08/04/12 17:39 EST		0	Source: NWS Employee
An off duty NWS employee estimated a wind gust to 60 mph.				
ST. JOSEPH COUNTY --- 1.5 NNW (SBN)MICHIANA ARPT S [41.72, -86.33]				
	08/04/12 17:38 EST		0	Thunderstorm Wind (EG 56 kt)
	08/04/12 17:39 EST		0	Source: Broadcast Media
Local media estimated 60 to 70 mph wind gusts.				
ST. JOSEPH COUNTY --- 0.5 W GLENWOOD [41.67, -86.08]				
	08/04/12 17:43 EST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 17:44 EST		0	Source: Public
The public reported portions of a corn field were flattened by strong winds.				
ELKHART COUNTY --- 3.1 W ELKHART [41.68, -86.03]				
	08/04/12 17:48 EST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 17:49 EST		0	Source: Social Media
The public reported large branches down near County Road 1.				
ELKHART COUNTY --- 0.5 E ELKHART [41.68, -85.96]				
	08/04/12 17:50 EST		0	Thunderstorm Wind (EG 56 kt)
	08/04/12 17:51 EST		0	Source: Trained Spotter
A trained spotter estimated a wind gust to 65 mph.				
KOSCIUSKO COUNTY --- 1.3 WNW WARSAW [41.24, -85.85]				
	08/04/12 18:01 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 18:02 EST		0	Source: Law Enforcement
Law enforcement officials reported numerous trees were blown down in Warsaw, Winona Lake and northern portions of the county.				
KOSCIUSKO COUNTY --- 2.8 N NORTH WEBSTER [41.36, -85.70]				
	08/04/12 18:13 EST		0	Thunderstorm Wind (EG 56 kt)
	08/04/12 18:14 EST		0	Source: Official NWS Observations
NWS officials estimated wind gusts to 65 mph at the National Weather Service office, just north of North Webster.				
HUNTINGTON COUNTY --- 1.7 WSW ANDREWS [40.84, -85.63]				
	08/04/12 18:45 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 18:46 EST		0	Source: Emergency Manager
Emergency management officials reported a tree was blown down near County Road 115 North and State Route 24.				
HUNTINGTON COUNTY --- 0.7 N ANDREWS [40.86, -85.60]				
	08/04/12 18:47 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 18:48 EST		0	Source: Emergency Manager
Emergency management officials reported a large tree was blown down on McKeever Road.				
HUNTINGTON COUNTY --- 2.5 WNW HUNTINGTON [40.90, -85.52]				
	08/04/12 18:52 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 18:53 EST		0	Source: Emergency Manager
Emergency management officials reported trees and power lines down near Rangeline Road and County Road 500 North.				

Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GRANT COUNTY --- 0.9 SE SHADY HILLS [40.56, -85.66]				
	08/04/12 18:55 EST		0	Hail (1.00 in)
	08/04/12 18:56 EST		0	Source: Trained Spotter
GRANT COUNTY --- JONESBORO [40.48, -85.63]				
	08/04/12 18:57 EST		0	Thunderstorm Wind (EG 56 kt)
	08/04/12 18:58 EST		0	Source: Social Media
The public estimated wind gusts to 65 mph.				
ALLEN COUNTY --- 1.3 ENE BROOKSIDE ESTATES [41.16, -85.06]				
	08/04/12 19:00 EST		0	Thunderstorm Wind (MG 62 kt)
	08/04/12 19:01 EST		0	Source: Trained Spotter
A trained spotter recorded a 71 mph wind gust at the intersection of Maplecrest and Interstate 469.				
HUNTINGTON COUNTY --- WARREN [40.68, -85.43]				
	08/04/12 19:08 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 19:09 EST		0	Source: Emergency Manager
Emergency management officials reported a large tree was blown down near the intersection of Wayne and Second streets.				
WELLS COUNTY --- 0.9 NE ROCKFORD [40.76, -85.31]				
	08/04/12 19:10 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 19:11 EST		0	Source: Law Enforcement
Law enforcement officials reported a large tree was blown down across the road near Rockford. In addition, large tree limbs were reported down on County Road 450 East and 100 North.				
ADAMS COUNTY --- PREBLE [40.83, -85.02]				
	08/04/12 19:29 EST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 19:30 EST		0	Source: Trained Spotter
A trained spotter reported large tree branches down.				
JAY COUNTY --- PORTLAND [40.43, -84.98]				
	08/04/12 19:29 EST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 19:30 EST		0	Source: Law Enforcement
Law enforcement officials reported trees limbs and power lines down in Portland and Pennville.				
An unstable atmosphere was in place ahead of a strong cold front moving into the region from the west and a weak warm front located across northwestern Indiana. These features combined with a high shear environment enhanced development of thunderstorms across northern Illinois. The storms congealed into a QLCS which produced damaging winds, large hail and an isolated tornado.				
WHITLEY COUNTY --- 0.5 W SOUTH WHITLEY [41.08, -85.63]				
	08/09/12 14:36 EST		0	Hail (1.25 in)
	08/09/12 14:37 EST		0	Source: Public
WHITLEY COUNTY --- 0.5 W SOUTH WHITLEY [41.08, -85.63]				
	08/09/12 14:39 EST		0	Hail (1.25 in)
	08/09/12 14:40 EST		0	Source: Public
HUNTINGTON COUNTY --- 3.0 ENE GOBLESVILLE [41.00, -85.47]				
	08/09/12 15:04 EST		0	Hail (0.75 in)
	08/09/12 15:08 EST		0	Source: Trained Spotter
A trained spotter reported four minutes of penny size hail near the intersection of County Roads 1200 North and 200 East.				
WHITE COUNTY --- 0.9 SW WOLCOTT [40.76, -87.04]				

Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/09/12 19:38 EST		0	Hail (1.00 in)
	08/09/12 19:39 EST		0	Source: Emergency Manager

WABASH COUNTY --- 0.5 E URBANA [40.90, -85.79]

08/09/12 20:40 EST	0	Hail (1.00 in)
08/09/12 20:41 EST	0	Source: Trained Spotter

WABASH COUNTY --- 3.3 NE LAGRO [40.86, -85.68]

08/09/12 20:50 EST	0	Thunderstorm Wind (EG 52 kt)
08/09/12 20:51 EST	0	Source: Trained Spotter

A trained spotter estimated wind gusts to 60 mph.

HUNTINGTON COUNTY --- 1.4 S ANDREWS [40.83, -85.60]

08/09/12 21:04 EST	0	Hail (1.00 in)
08/09/12 21:05 EST	0	Source: Trained Spotter

A trained spotter reported quarter size hail at the intersection of State Route 105 and Division Road.

A frontal boundary was located across the southern Great Lakes. Extensive cloud cover north of the front prevented deep convection. However, just south of the feature, isolated to scattered thunderstorms developed. Increasingly steep lapse rates allowed for marginally severe hail to fall as well as locally gusty winds.

LAKE MICHIGAN

MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- MICHIGAN CITY C-MAN STATION (MCYI3) [41.73, -86.91]

08/04/12 17:05 EST	0	Marine Thunderstorm Wind (MG 44 kt)
08/04/12 17:06 EST	0	Source: C-MAN Station

A 51 mph (41 knot) wind gust was recorded at the Michigan City marine site.

NEW BUFFALO TO ST JOSEPH MI COUNTY --- ST JOSEPH GLOS STATION (SJOM4) [42.10, -86.49]

08/04/12 18:10 EST	0	Marine Thunderstorm Wind (MG 41 kt)
08/04/12 18:11 EST	0	Source: Official NWS Observations

A 47 mph (41 knot) wind gust was recorded at the St. Joseph NWS Marine site.

An unstable atmosphere was in place ahead of a strong cold front moving into the region from the west and a weak warm front located across northwestern Indiana. These features combined with a high shear environment supported development of thunderstorms across northern Illinois. These storms moved across southern Lake Michigan, producing gusty winds as they came onshore.

MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- MICHIGAN CITY C-MAN STATION (MCYI3) [41.73, -86.91]

08/16/12 09:00 EST	0	Marine Thunderstorm Wind (MG 37 kt)
08/16/12 09:01 EST	0	Source: C-MAN Station

A 37 knot (43 mph) gust was recorded at the Michigan City GLERL site.

Thunderstorms developed across portions of Wisconsin during the early morning hours of the 16th and moved across Lake Michigan, producing locally gusty winds as they moved onshore.

MICHIGAN, Extreme Southwest

BERRIEN COUNTY --- 1.2 NW JERRY TYLER MEML ARP [41.86, -86.25]

08/04/12 17:33 EST	0	Hail (1.50 in)
08/04/12 17:34 EST	0	Source: Trained Spotter

A trained spotter reported ping pong ball size hail.

BERRIEN COUNTY --- 1.2 NW JERRY TYLER MEML ARP [41.86, -86.25]

Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/04/12 17:33 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 17:34 EST		0	Source: Trained Spotter

A trained spotter reported trees down in the area. In addition, tree limbs were blown down ranging from six inches to one foot in diameter.

BERRIEN COUNTY --- GALIEN [41.80, -86.50]				
	08/04/12 17:38 EST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 17:39 EST		0	Source: Public

The public reported a large tree branch down.

CASS COUNTY --- EDWARDSBURG [41.80, -86.08]				
	08/04/12 17:52 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 17:53 EST		0	Source: Public

The public reported four trees were blown down.

An unstable atmosphere was in place ahead of a strong cold front moving into the region from the west and a weak warm front located across northwestern Indiana. These features combined with a high shear environment supported development of thunderstorms across northern Illinois. The storms congealed into a QLCS which producing isolated damaging winds and large hail.

(MI-Z077) BERRIEN				
	08/05/12 08:30 EST	2	0	Rip Current
	08/05/12 09:31 EST		0	

Direct Fatalities: M41IW, M50IW

Strong north to northwest winds across Lake Michigan caused wave heights in excess of 8 feet along the south-eastern parts of the lake shore. Local and Coast Guard officials reported two rip current drownings. The first occurred at Tiscornia Beach in St. Joseph when a swimmer became overcome by the high waves. The 41 year old male, from Illinois, was unconscious in 12 feet of water. Although attempts to revive him occurred, he passed away en route to the hospital. Shortly, after this rescue, officials reported a man drown while saving two children from the lake. Around 10:30 am, the 50 year old pediatric surgeon observed two young kayakers caught in the high waves and rip currents. He swam to them and was able to aid them. However, he was subsequently caught in the same conditions and drown.

OHIO, Northwest

ALLEN COUNTY --- 0.7 N SPENCERVILLE [40.71, -84.35]				
	08/04/12 18:00 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 18:01 EST		0	Source: Amateur Radio

Amateur radio operators reported several trees down, including one on Mulberry Street in Spencerville.

VAN WERT COUNTY --- 0.5 W WREN [40.80, -84.78]				
	08/04/12 19:42 EST		0	Thunderstorm Wind (EG 50 kt)
	08/04/12 19:43 EST		0	Source: Trained Spotter

A trained spotter reported numerous tree limbs down in Wren.

VAN WERT COUNTY --- 2.1 S DIXON [40.92, -84.78]				
	08/04/12 19:44 EST		0	Thunderstorm Wind (EG 52 kt)
	08/04/12 19:45 EST		0	Source: Trained Spotter

A trained spotter estimated a wind gust to 60 mph.

HENRY COUNTY --- 0.7 N NAPOLEON [41.39, -84.13]				
	08/04/12 20:10 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 20:11 EST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Emergency management officials reported power lines and numerous tree limbs down across the county.				
<hr/>				
ALLEN COUNTY --- 0.9 SW LIMA [40.74, -84.11]	08/04/12 20:42 EST		0	Thunderstorm Wind (EG 55 kt)
	08/04/12 20:43 EST		0	Source: Law Enforcement

Law enforcement officials reported a large tree being blown down on Lakewood Street.

An unstable atmosphere was in place ahead of a strong cold front moving into the region from the west and a weak warm front located across northwestern Indiana. These features combined with a high shear environment supported development of thunderstorms across northern Illinois. The storms congealed into a QLCS which producing isolated damaging winds and large hail.

Storm Data and Unusual Weather Phenomena - September 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, Northeast				
CASS COUNTY --- 0.7 S ROYAL CENTER [40.86, -86.50]				
	09/07/12 10:18 EST		0	Thunderstorm Wind (EG 50 kt)
	09/07/12 10:19 EST		0	Source: Law Enforcement
Law enforcement officials reported a large limb, as well as power lines down.				
FULTON COUNTY --- 0.5 E FULTON [40.95, -86.26]				
	09/07/12 10:35 EST		0	Thunderstorm Wind (EG 55 kt)
	09/07/12 10:36 EST		0	Source: Law Enforcement
Law enforcement officials reported a telephone pole was snapped.				
MIAMI COUNTY --- MEXICO [40.82, -86.12]				
	09/07/12 10:45 EST		0	Thunderstorm Wind (EG 50 kt)
	09/07/12 10:46 EST		0	Source: Law Enforcement
Law enforcement officials reported power lines down.				
MIAMI COUNTY --- 1.5 NNE PERU NUMI ARPT [40.80, -86.14]				
	09/07/12 10:50 EST		0	Thunderstorm Wind (EG 55 kt)
	09/07/12 10:51 EST		0	Source: Emergency Manager
Emergency management officials reported trees were blown down, blocking the road on County Road 400 North between US 31 and Old 31. Another tree was also blown down onto the road on County Road 300 North between Eel Cemetery and US 31.				
GRANT COUNTY --- VAN BUREN [40.62, -85.50]				
	09/07/12 11:45 EST		0	Thunderstorm Wind (EG 50 kt)
	09/07/12 11:46 EST		0	Source: Law Enforcement
Law enforcement officials reported a tree was blown down.				
BLACKFORD COUNTY --- MONTPELIER [40.55, -85.28]				
	09/07/12 11:55 EST		0	Thunderstorm Wind (EG 50 kt)
	09/07/12 11:56 EST		0	Source: Law Enforcement
Law enforcement officials reported power lines down.				
WELLS COUNTY --- LIBERTY CENTER [40.70, -85.28]				
	09/07/12 11:55 EST		0	Thunderstorm Wind (EG 50 kt)
	09/07/12 11:56 EST		0	Source: Law Enforcement
Law enforcement officials reported power lines down.				
ADAMS COUNTY --- DECATUR [40.83, -84.93]				
	09/07/12 12:05 EST		0	Thunderstorm Wind (EG 55 kt)
	09/07/12 12:06 EST		0	Source: Law Enforcement
Law enforcement officials reported a tree was blown down onto Winchester Road.				
An area of thunderstorms developed over Illinois during the early morning hours of September 7th and moved into northern Indiana during the late morning and afternoon. The storms encountered increasing instability and shear, resulting in an increase in intensity. Sporadic reports of wind damage were received.				
(IN-Z003) LA PORTE				
	09/09/12 17:00 EST	1	0	Rip Current
	09/09/12 17:10 EST		0	

Storm Data and Unusual Weather Phenomena - September 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Direct Fatalities: M57IW

Gusty northerly winds across Lake Michigan caused numerous rip currents along the southeastern lake shore areas with waves of 3 to 6 feet common. A 57 year old man entered the water around 6 pm EDT and moved away from shore, despite warnings from family members and posted signs. He disappeared under the water, but was subsequently rescued by his son and a bystander. He was resuscitated and taken to a local hospital. However, less than 24 hours later he was pulled from life support and subsequently died.

KOSCIUSKO COUNTY --- 1.6 N OSWEGO [41.34, -85.78]

09/22/12 11:10 EST	0	Hail (0.75 in)
09/22/12 11:11 EST	0	Source: NWS Employee

An off duty NWS employee reported penny size hail fell for about a minute.

ALLEN COUNTY --- 0.7 N WALLEN [41.18, -85.17]

09/22/12 12:00 EST	0	Hail (0.88 in)
09/22/12 12:01 EST	0	Source: NWS Employee

An off duty NWS employee reported mostly pea size hail along with a few hailstones ranging from dime to nickel size.

A cool northwest flow over the relatively warm waters of Lake Michigan, combined with a weak disturbance and pockets of heating, allowed for the development of lake enhanced showers. Pea size hail was common with many of the showers, but a few were able to produce hail to the size of nickels.

OHIO, Northwest

PAULDING COUNTY --- 0.5 W PAYNE [41.08, -84.73]

09/07/12 12:12 EST	0	Hail (0.75 in)
09/07/12 12:13 EST	0	Source: Emergency Manager

VAN WERT COUNTY --- 2.3 NNW CONVOY [40.95, -84.72]

09/07/12 12:18 EST	0	Thunderstorm Wind (EG 50 kt)
09/07/12 12:19 EST	0	Source: Emergency Manager

Emergency management officials reported a semi was blown over on US 30, just west of State Route 49.

PAULDING COUNTY --- GROVER HILL [41.02, -84.48]

09/07/12 12:35 EST	0	Thunderstorm Wind (EG 55 kt)
09/07/12 12:36 EST	0	Source: Law Enforcement

Law enforcement officials reported trees down south of Grover Hill as well as on State Route 114 east of town.

PUTNAM COUNTY --- CONTINENTAL [41.10, -84.27]

09/07/12 12:50 EST	0	Thunderstorm Wind (EG 50 kt)
09/07/12 12:51 EST	0	Source: Law Enforcement

Law enforcement officials reported large tree limbs were blown down.

An area of thunderstorms developed over Illinois during the early morning hours of September 7th and moved into northwestern Ohio during the early afternoon. The storms encountered increasing instability and shear, resulting in greater storm intensity. Sporadic reports of wind damage were received.

ALLEN COUNTY --- 0.9 SW LIMA [40.74, -84.11]

09/22/12 13:27 EST	0	Hail (0.75 in)
09/22/12 13:28 EST	0	Source: Trained Spotter

A cool northwest flow over the relatively warm waters of Lake Michigan, combined with a weak disturbance and pockets of heating, allowed for the development of lake enhanced showers. Pea size hail was common with many of the showers, but one shower produced hail to the size of pennies.

Storm Data and Unusual Weather Phenomena - October 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

INDIANA, Northeast

(IN-Z003) LA PORTE

10/29/12 23:25 EST	0	High Wind (MAX 59 kt)
10/30/12 19:00 EST	0	

The Great Lakes was sandwiched between high pressure across the eastern plains and eventual remnants of Tropical System Sandy which moved inland. While winds inland were strong, the strongest winds were felt along the lake shore counties of far northwestern Indiana. Peak wind gusts of between 60 and 70 mph were recorded by marine equipment along the southeast shores. Reports of trees and power lines being blown down were noted in scattered locations.



Waves in excess of 20 feet crashing against the Michigan City Lighthouse Pier. Photo courtesy of Sam Lashley.

MICHIGAN, Extreme Southwest

BERRIEN COUNTY --- 2.3 SSE GLENDORA [41.85, -86.46]

10/14/12 16:35 EST	0	Thunderstorm Wind (EG 50 kt)
10/14/12 16:36 EST	0	Source: State Official

The county dispatch center reported a large tree was blown down by thunderstorm winds.

Storm Data and Unusual Weather Phenomena - October 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<hr/>				
BERRIEN COUNTY --- 3.8 NW NILES [41.87, -86.30]	10/14/12 16:40 EST		0	Thunderstorm Wind (EG 50 kt)
	10/14/12 16:41 EST		0	Source: Fire Department/Rescue

Local fire officials reported a tree was blown down near Geiger and Walton Roads, west of Old US 31.

A broken line of thunderstorms formed along a cold front moving through the Great Lakes. Modest instability but strong dynamics allowed for a few damaging wind gusts as the storms moved through Berrien county.

Storm Data and Unusual Weather Phenomena - December 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

INDIANA, Northeast

(IN-Z018) ALLEN, (IN-Z032) GRANT

12/20/12 14:45 EST	1.50K	Strong Wind (MAX 45 kt)
12/20/12 17:11 EST	0	

Rapidly deepening low pressure moved from central Illinois into southwestern Lower Michigan. While snowfall amounts ended up lower than expected across the region, the winds caused by the pressure gradient of the low caused sporadic damage and wind gusts to 60 mph.

(IN-Z032) GRANT, (IN-Z033) BLACKFORD, (IN-Z034) JAY

12/26/12 06:00 EST	0	Winter Storm
12/26/12 17:00 EST	0	

(IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z020) WHITE, (IN-Z022) CASS, (IN-Z023) MIAMI, (IN-Z024) WABASH, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS

12/26/12 07:00 EST	0	Winter Weather
12/26/12 20:00 EST	0	

A deepening low pressure system tracking northeast through the Ohio Valley brought accumulating snow and blowing snow to northern Indiana on December 26th.

(IN-Z018) ALLEN, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS, (IN-Z032) GRANT, (IN-Z033) BLACKFORD, (IN-Z034) JAY

12/28/12 21:00 EST	0	Winter Weather
12/29/12 08:00 EST	0	

A low pressure system tracking through the Ohio Valley dropped between 2 and 6 inches of snow on portions of northeast Indiana.

LAKE MICHIGAN

MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- MICHIGAN CITY C-MAN STATION (MCY13) [41.73, -86.91]

12/21/12 00:15 EST	0	Marine High Wind (MG 57 kt)
12/21/12 00:16 EST	0	Source: C-MAN Station

A 66 mph wind gust was recorded at the Michigan City marine observation site.

NEW BUFFALO TO ST JOSEPH MI COUNTY --- ST JOSEPH GLOS STATION (SJOM4) [42.10, -86.49]

12/21/12 01:31 EST	0	Marine High Wind (MG 52 kt)
12/21/12 01:32 EST	0	Source: C-MAN Station

A 60 mph wind gust was recorded at the marine observation site in St. Joseph.

Rapidly deepening low pressure moved from central Illinois into southwestern Lower Michigan. While snowfall amounts ended up lower than expected across the region, the winds caused by the pressure gradient of the low caused wind gusts of 60 mph or greater along the lake shore areas of Lake Michigan.

MICHIGAN, Extreme Southwest

(MI-Z077) BERRIEN

12/21/12 05:00 EST	0	Strong Wind (MAX 45 kt)
12/21/12 05:01 EST	0	

Rapidly deepening low pressure moved from central Illinois into southwestern Lower Michigan. While snowfall amounts ended up lower than expected across the region, the winds caused by the pressure gradient of the low caused sporadic damage and wind gusts to 60 mph.

Storm Data and Unusual Weather Phenomena - December 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH, (MI-Z081) HILLSDALE				
	12/26/12 10:00 EST		0	Winter Weather
	12/26/12 20:00 EST		0	

A deepening low pressure system tracking northeast through the Ohio Valley brought accumulating snow and blowing snow to southern Michigan on December 26th.

OHIO, Northwest

(OH-Z001) WILLIAMS, (OH-Z002) FULTON, (OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING				
	12/26/12 07:00 EST		0	Winter Weather
	12/26/12 21:00 EST		0	
(OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN				
	12/26/12 07:00 EST		0	Winter Storm
	12/26/12 19:00 EST		0	

A deepening low pressure system tracking northeast through the Ohio Valley brought accumulating snow and blowing snow to northwest Ohio on December 26th.

(OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN				
	12/28/12 23:00 EST		0	Winter Weather
	12/29/12 09:00 EST		0	

A low pressure system tracking through the Ohio Valley dropped between 3 and 6 inches of snow on portions of northwest Ohio.